Tomorrow's aspirations.

BS Catalogue 2007/2008

Feel your home comfort – wherever you are.

carat® glass black
1gang 1way switch

alpha grid
Control Element

future linear®
Busch Comfort Switch

alpha bs® Busch Memory
2gang Dimmer

www.Busch-Jaeger.com

Delivered today.®

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Growth of a strong brand name.
Tomorrow's aspirations.

The use of electric current as an energy and light source was a revolution. It resulted in the creation of the apparatus construction industry. The companies of Jaeger and Busch were among the first to recognise this opportunity and use it to start up their manufacturing businesses.

In 1879 Hans-Curt Jaeger together with his brother Georg founded a metalware factory in Lüdenscheid. Initially, production was limited to the manufacture of simple wiring accessories. At the same time another factory was founded by J. Bergmann and F. W. Busch. They initially specialised on uniform buttons and belt buckles. Soon after, this range was augmented by the first electrical appliances. Approximately ten years later, in 1892, the Jaeger brothers acquired a pressing plant for the manufacturing of insulating materials.

After World War I the two factories amalgamated. Shortly afterwards the Lüdenscheid metal factories were also added. This is how Busch-Jaeger Lüdenscheid Metallwerke AG was established. In 1969, after further mergers, the company got its present company name Busch-Jaeger Elektro GmbH.

While there was still competition amongst those companies before they merged, the 1920s saw increasing synergy between different producers. Development and production continued to progress.

Additionally, the increasing pace of electrification accelerated the demand for electrical wiring accessories. Finally, in 1960 a new manufacturing facility was built in Hamm specifically for switch production.

Since 1969, under the umbrella of BBC (today ABB), Busch-Jaeger Elektro GmbH focused on the fields of electrical installation technology,

1906
Surface-mounted Rosette switch

1910
Surface-mounted toggle switch

1920
Flush-mounted rotary switch with glass cover

1933
Pull switch

1953
Flush-mounted rocker 2gang switch Busch-Duro 2000® SI

1879 1897 1907 1918 1921 1926 1933 1936 1951 1979

1900
Busch-Jaeger Lüdenscheid Metallwerke AG, factory in Gartenstrasse, headquarters

The metal factory in Schafsbrücke has been part of Busch-Jaeger Lüdenscheid Metallwerke AG since 1933

1925
Production site Aue

1952
Lüdenscheid factory, Hochstrasse

electronics and building system technology. During the last 125 years Busch-Jaeger has emerged as market leader for electrical wiring accessories in central Europe.
We use our experience of many years to create trend-setting products and solutions. The expectations and wishes of our customers are the motive for us to discover and realise innovative new ideas.
We hope you will accompany us on the way into the future.

1965
Flush-mounted Dimmer 400 W, one of the first dimmers on the German market

1975
Busch-Duro 2000® LX range of switches, successfully marketed for 28 years

1994
impuls range
still a representative on the international market

1999
Busch-triton® range

2006
Busch Comfort switch
The switch with 4 comfort levels

Market leader for electrical wiring accessories.
Delivered today.

For over 125 years our products have mirrored the growth and changes in electrical wiring technology. However, quality and reliability of our products have always been our first priority.

Location Lüdenscheid. The headquarters of Busch-Jaeger. We employ more than 800 people on a site comprising 114,000 m².

As market leader for electrical wiring accessories for residential and functional buildings we invest all our experience in products and solutions for the future. In this endeavour we have strong partners within the ABB Group. We are able to satisfy the expectations of our trading partners and customers through close co-operation in product development, product management and product supply. Our training centre enables us to pass on this knowledge to our employees and our customers. Our range of products comprises 5700 items, offering you and your customers sundry design variations to match every detail of architecture and interior style. Our range extends from complete electrical installation programs including switches, socket outlets, dimmers and motion sensors to innovative products like the ABB i-bus® EIB/KNX and ABB Powernet EIB/KNX.

Further it is our vision and aim to assure quality, health and safety at work, data protection and data security as well as to protect the environment.

This is accomplished via an integrated management system in accordance with DIN EN ISO 9001:2000, DIN EN ISO 14001:2005 and OHSAS 18001.

Training laboratory

Training laboratories allow the theoretical and practical construction of EIB systems.

The Aue production facility comprises more than 14,000 m²

Logistic Center

Over the next two years Busch-Jaeger will invest around EUR 18 million in a storage and logistics centre on their Lüdenscheid site. The highlight of the "Logistik 2007" project is the refurbishment of the computer-controlled high-bay warehousing system. Work began in May 2005. The modern Busch-Jaeger logistics centre will be operating in 2007. Following completion of the construction project a total of 9,870 square metres of storage area will be available.
This investment aims to increase speed and flexibility of production and supply and will ensure higer flexibility and a higer capability to meet market demands in the future.

This clearly demonstrates the vision of our future and varifies to the company's wholehearted commitment to the business location Germany.

DIN EN ISO 9001:2000
DIN EN ISO 14001:2005

DAT-P-003/91-04

Partner for business and trade

E-CHECK® Partner-Unternehmen

ELEKTRO MARKEN STARKE PARTNER

ELEKTRO+

Die Marktführer-Initiative LEBENS|T|RAUM BAD planen - bauen - leben

GGT DEUTSCHE GESELLSCHAFT FÜR GERONTOTECHNIK®

A brand name means one thing above all else. Partnership for electrical installations.

For more than 125 years your expectations and wishes have been the driving force for our work. The most important criterion for success is the creation of new ideas and to transform those ideas into useful, commercially successful quality products.

Busch-Jaeger training centre at the Lüdenscheid headquarters

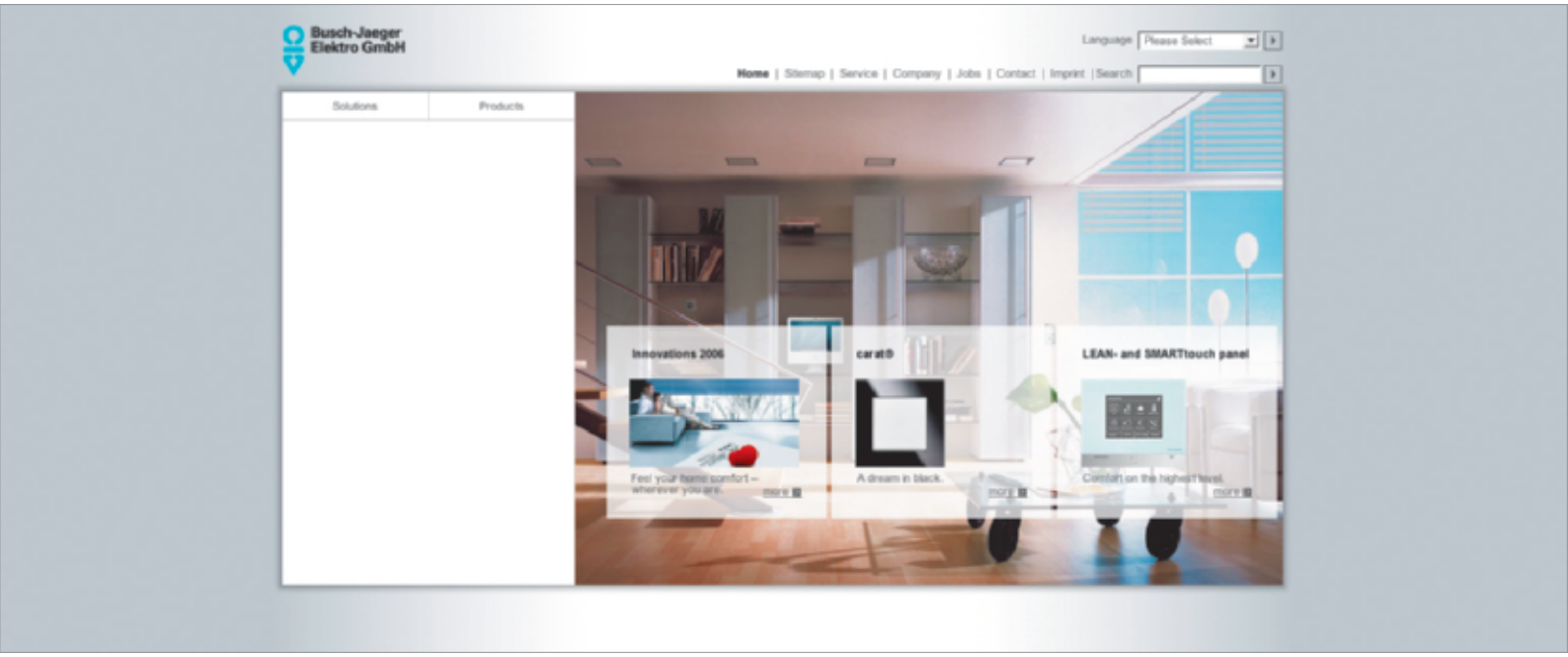
To the same extent as electrical installation technology is constantly changing, the need to explain individual products increases. This trend applies not only to bus technology components but also to conventional electrical installations. We have therefore initiated two seminars concerning this particular product area, which is constantly growing and constantly generating new solutions and systems. These seminars deal not only with the technical features of our products but very much focus on the usability expected by the end user. Using specific examples, participants learn about the diversity of utilization and the advantageous features of each product.

The European Installation Bus (EIB) offers versatile solutions and applications, but also increasing complexity. In order to do justice to the pace of innovation, Busch-Jaeger offers six separate seminars for this subject area which range from refresher courses to the programming of overlapping functions. But participants don't just receive product information - rather numerous practical exercises are used to transfer learned knowledge to the real world.
Participants are eligible for the seminar if they have completed the ETS course "Project planning and implementation" at a certified training institute.

Busch-Jaeger online.
Information and Service.

125 years ago it would have seemed impossible – world-wide access to any information you need by simply pressing a key.

www.Busch-Jaeger.com



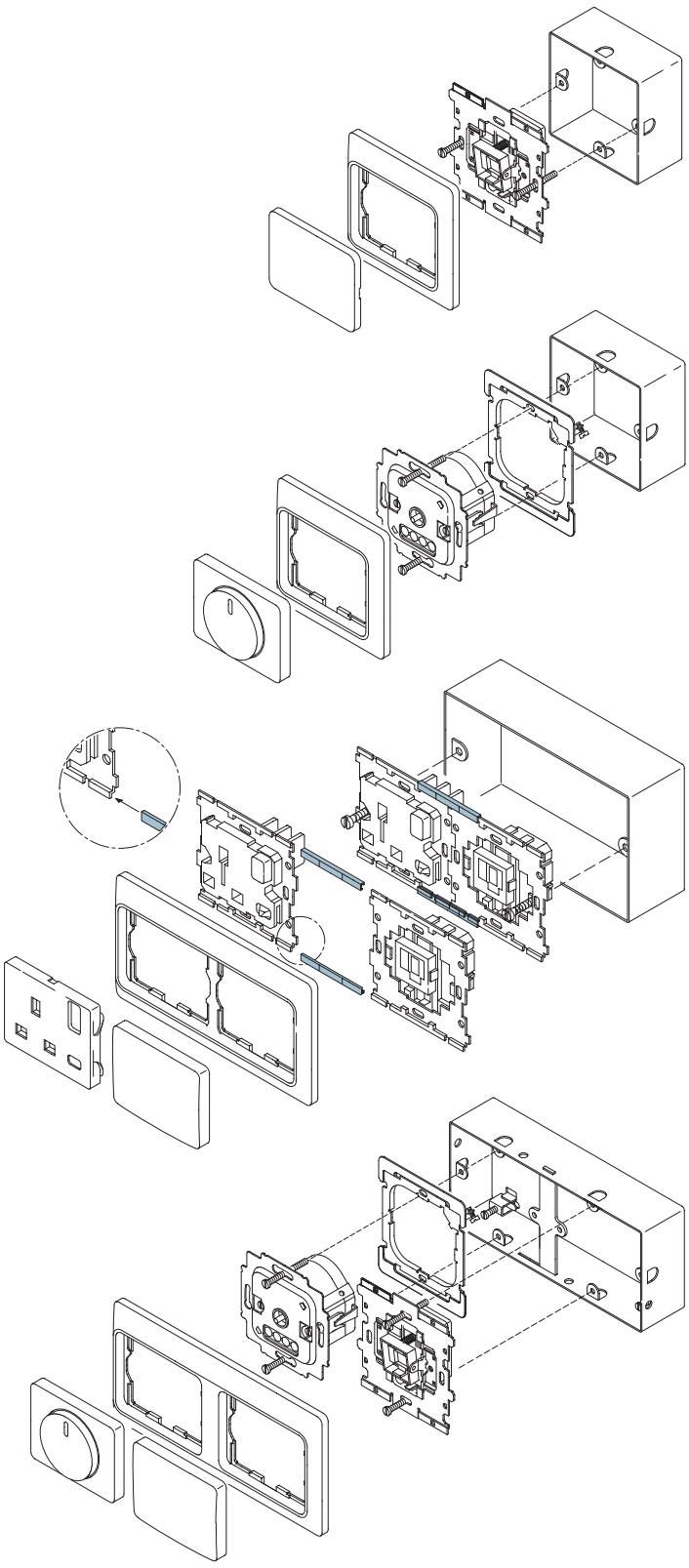
Less is often more effective – on the screen particularly, it is the most essential information that is needed. Design and content must be clearly shown and easy to assimilate – the eyes must not be dazzled by too much.

This is exactly the path that Busch-Jaeger is taking with its new web presence. The colours, design and terms in the texts are also found again on the Internet – at a glance, one gains an overview of the new structures and quickly finds all the information one is looking for. It is not only entered there as an electronic catalogue or brochure ready for downloading – the beneficial use of the products is also presented in demonstrative films. In this way, the wishes of the owners are aroused for modern solutions and an electrical installation that is up-to-date. And a place is also reserved with sufficient technical information for the specialist.

The latest software, specifications, circuit diagrams or dimensional drawings – everything that one needs to know about Busch-Jaeger products is readily available for the visitors on the Internet, around the clock, seven days a week.

In the Service section a great deal of useful information can be found for all the users. Specialist dealers can be found here, or price comparisons can be made between the individual Switch Programs.

British Standard –
***alpha bs*®**



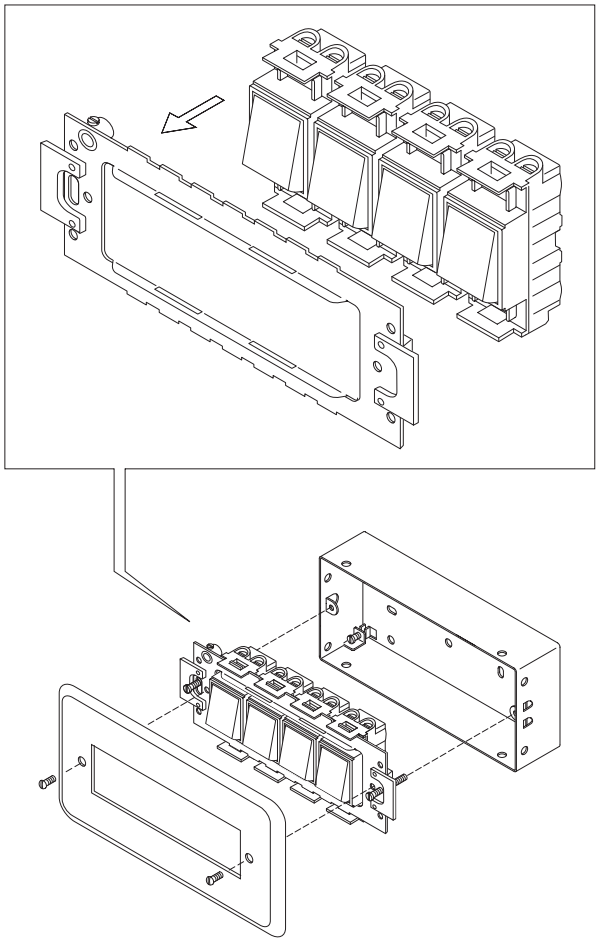
alpha bs® offers a wide range of products for innovative installations.

Specialities, like electronic devices, are to be installed with the help of an adapter plate.

With two mounting clips the most common products can be combined freely in a conventional 2gang box.

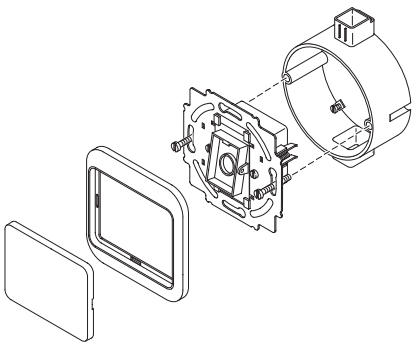
Full flexibility in product combinations is given by a dual box together with a dual cover frame.

British Standard –
alpha grid



High flexibility in product combination is given by 8 different sizes of frames and more than 20 different inserts.

German Standard –
alpha nea®



alpha nea® products fit German wall boxes. For multi-gang applications just add further boxes and take a 2gang, 3gang, 4gang or 5gang cover frame.

New ways in switching.

2gang Combination Comfort Switch Outlet.
pure *stainless steel*
Colour: stainless steel

Busch 2gang Dimmer
pure *stainless steel*
Colour: stainless steel

Basic comfort: Switches in the normal way.

Medium comfort: Automatic switching-on function but is switched off by hand – sometimes less automation is preferable.

Timing comfort: Manual switch-on function but with automatic switching-off function – you can determine the length of the time interval.

Maximum comfort: Fully automatic switching.

Dimmed light has a direct effect on our well-being; it makes the interior more cosy and creates an atmosphere. With the new dimmer series, it is possible to regulate two lamps independently of each other at the same time.

Busch-Watchdog 180 UP Sensor Comfort II
pure *stainless steel*
Colour: stainless steel

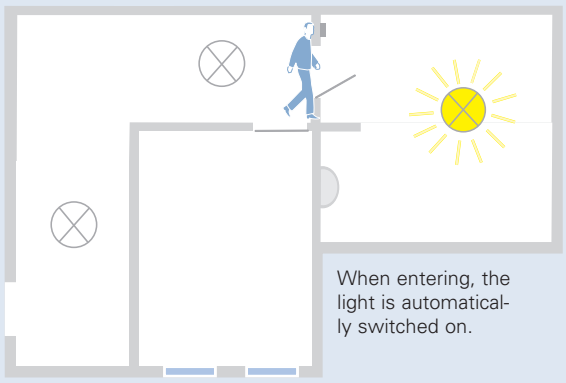
Busch Comfort Timer control cover
pure *stainless steel*
Colour: stainless steel

Comfort to which you will soon become accustomed. At home, you often have so much to do and no extra hand available for the light switch! The infrared-controlled indoor Busch-Watchdogs "sense" your presence in the room and turn the light on automatically. They react as soon as they detect body heat.

Intuitive user comfort and aligned automatic functions make the blinds a pleasure to operate with these devices – thanks to a new, clear user guide, the setting is a piece of cake. The date and time are sufficient – the new Busch Timer is now ready to work. Individual settings are also quick to carry out.

Busch Comfort Switch – The switch with 4 comfort levels.

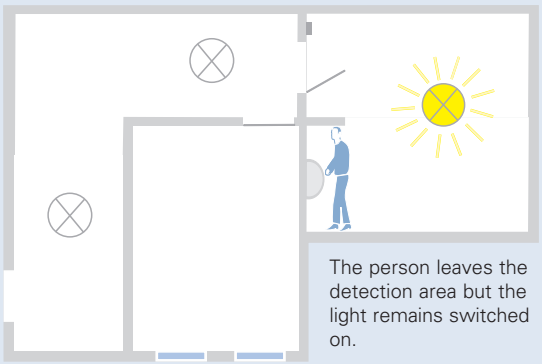
Medium comfort



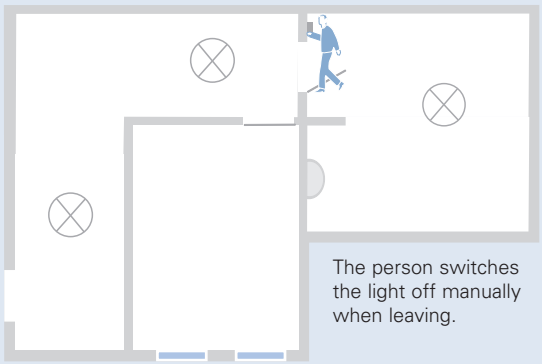
When entering, the light is automatically switched on.

Busch Comfort switch controls the light automatically – but then leaves it on as long as you require. Whether you are sitting still or temporarily leaving the detecting area of the unit, it will not make any difference.
One can carry on with one's work without any disturbance; the light does not go out again until the button is pressed.

Innovation!
The switch with 4 comfort levels.



The person leaves the detection area but the light remains switched on.



The person switches the light off manually when leaving.

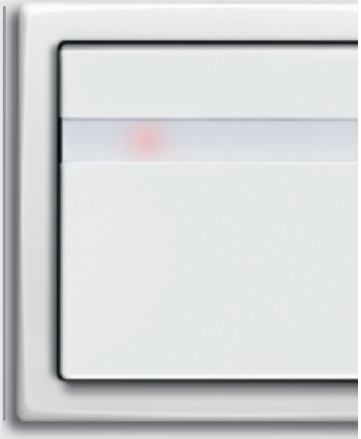
The flat lens is available in various finishes tones and matches the colour of the rocker switch.

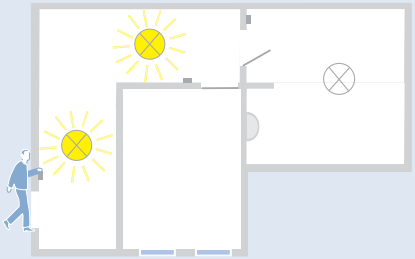
It is precisely in bathrooms or hallways that our hands are usually full! When we're carrying laundry baskets or other utensils, we often haven't got a hand spare for the light switch.

Timing comfort

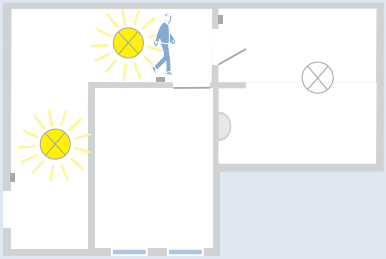
Everyones's experienced it: Using a hallway where lights are already switched on, i.e. via a timelag switch, the lights tend to switch off after a few steps due to a too short set time. With the Busch-Comfort switch, such unpleasent and dangerous situations are a thing of the past. It detects another person following and starts the set-time again.

A LED indicates to anyone entering the hallway that the switch has to be pressed manually. At the same time it serves as a light for orientation purposes and ensures that it it also can be easily found in the dark.

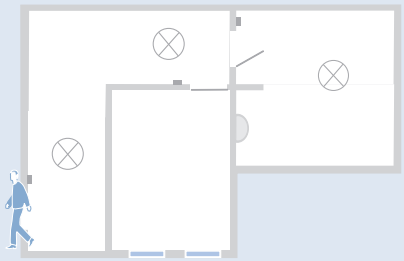




The light is switched on by hand.

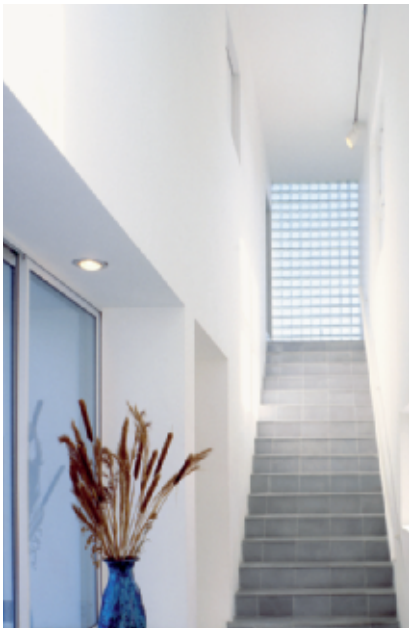


The Comfort Switch detects the person and extends the switched-on time.



The Comfort Switch switches the hall light off after a pre-determined time.

The light is only on when it is needed – energy-saving, but nevertheless safe and reliable. The light goes on at a press of a button and remains switched on as long as someone is using i.e. the staircase or hallway. Lighting control can be as comfortable and easy as that.



Unmatched elegance for today´s lifestyle.

Designers are rediscovering the natural appeal of light switches. Modern high quality switches are stylish, well designed, reliable and at price everyone can afford. *classiq* switches meet all these requirements. They are modern yet elegant, and new looking.

1gang Switch

2gang Switch

3gang Switch

4gang Switch

5gang Switch

twin switched socket outlet with neon.
Colour: alpine white

Product	Description	Order Code	Pak Qty
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way	CSW101	10
	- 1 Gang 2 Way	CSW102	10
	- Intermediate	CSW103	10
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 2 Gang 1 Way	CSW201	10
	- 2 Gang 2 Way	CSW202	10
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 3 Gang 1 Way	CSW301	10
	- 3 Gang 2 Way	CSW302	10
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 4 Gang 1 Way	CSW401	10
	- 4 Gang 2 Way	CSW402	10
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 5 Gang 1 Way	CSW501	10
	- 5 Gang 2 Way	CSW502	10

Product	Description	Order Code	Pak Qty
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 4 Gang 1 Way (Horizontal)	CSW421	5
	- 4 Gang 2 Way (Horizontal)	CSW422	5
	Bell Switch 10A, 250V~ (with bell symbol) BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way	CSW100	10
	Switch 10AX, 250V~ (with press marking) BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way	CSW100P	10
	DP Switch with Neon, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20AX w/ Neon	CSW134	10
	- 32A w/ Neon	CSW154	10
	- 20AX w/o Neon	CSW114	10
	- 32A w/o Neon	CSW144	10
	DP Switch with Neon, 250V~ ("water heater" marking) BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20AX 1 Gang	CSW134M	10

Further technical details
www.Busch-Jaeger.com

Product	**Description**	Order Code	Pak Qty
	DP Switch with Neon, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20A 1 Gang (Modular)	CSW234	10
	DP Switch with Neon, 250V~ **("water heater" marking)** BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20A 1 Gang (Modular)	CSW234M	10
	DP Switch with Neon, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20A 2 Gang (Modular)	CSW434	10
	Dimmer with 2 Way Switch **500W, 250V~** IEC 60669 SS 227 where applicable		
	- 1 Gang (Modular)	CDM211	1
	Dimmer with 2 Way Switch **500W, 250V~** IEC 60669 SS 227 where applicable		
	- 2 Gang (Modular)	CDM411	1

Product	**Description**	Order Code	Pak Qty
	Fan Control with 2 Way Switch, **400VA, 250V~** IEC 60669 SS 227 where applicable		
	- 1 Gang (Modular)	CFS215	1
	Fan Control with 2 Way Switch, **400VA, 250V~** IEC 60669 SS 227 where applicable		
	- 2 Gang (Modular)	CFS415	1
	Architrave Retractive Switch **10AX, 250V~** BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way (w/ bell symbol)	CSW100-A	20
	- 1 Gang 1 Way (w/o bell symbol)	CSW100N-A	20
	Architrave Switch **10AX, 250V~** BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way	CSW101-A	20
	- 1 Gang 2 Way	CSW102-A	20

Further technical details
www.Busch-Jaeger.com

Product	Description	Order Code	Pak Qty
	3 Pin Switched Socket Outlet 13A, 250V~ BS 1363 SS 145 MS 589		
	- 1 Gang (8mm)	CSO113	10
	3 Pin Switched Socket Outlet with Neon 13A, 250V~ BS 1363 SS 145 MS 589		
	- 1 Gang (8mm)	CSO133	10
	3 Pin Unswitched Socket Outlet 13A, 250V~ BS 1363		
	- 1 Gang (8mm)	CSO123	10
	3 Pin Switched Socket Outlet 13A, 250V~ BS 1363 SS 145 MS 589		
	- 2 Gang (8mm)	CSO213	5
	3 Pin Switched Socket Outlet with Neon 13A, 250V~ BS 1363 SS 145 MS 589		
	- 2 Gang (8mm)	CSO233	5

Product	Description	Order Code	Pak Qty
	3 Pin Unswitched Socket Outlet 13A, 250V~ BS 1363		
	- 2 Gang (8mm)	CSO223	5
	Round Pin Switched Socket Outlet, 250V~ BS 546 SS 472		
	- 15A, 1 Gang (8mm) - 5A, 1Gang (12mm)	CSO115 CSO125	10 10
	RCD Switched Socket Outlet 13A 30mA, 230V~ BS 7288 **Specifications** **Contact Status Indicator** Red flag incorporated in reset button **Operating Voltage / Frequency** 230V~ +15% -10% **Load Current** 13A resistive **RCD Trip Current** 30mA nominal **Trip Speed** Not more than 40ms at 5 times rated tripping current **Circuit Fault Breaking Capacity** 1500A **Earth Fault Breaking Capacity** 250A		
	- 1 Gang - 2 Gang	CRS113 CRS213	1 1

Further technical details
www.Busch-Jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	**Description**	Order Code	Pak Qty
	2 Pin Euro-American Socket Outlet 16A, 250V~ IEC 60884 BS 5733 UL 498 where applicable		
	- 1 Gang (8mm)	CSO127	10
	2 Pin Euro-American Socket Outlet 16A, 250V~ IEC 60884 BS 5733 UL 498 where applicable		
	- 2 Gang (8mm)	CSO227	10
	2 Pin Switched Euro-American Socket Outlet 16A, 250V~ IEC 60884 BS 5733 UL 498 where applicable		
	- 1 Gang (8mm)	CSO117	10
	- 1 Gang (8mm) Unswitch Socket Outlet and 1 Gang switch	CSO126	10
	Schuko Socket Outlet 16A, 250V~ VDF 0620 BS 5733 where applicable		
	- Screwless type 1 Gang (12mm)	CSO106	5
	- Screwed type 1 Gang (12mm/8mm)	CSO156	5
	Nema Socket Outlet 15A, 127V~ SSA 443 SSA 444		
	- 1 Gang (8mm)	CSO165	10

Product	**Description**	Order Code	Pak Qty

Product	Description	Order Code	Pak Qty
	Connection Unit with Flex Outlet 20A, 250V~ BS 5733		
	- 1 Gang (12mm)	CCU120	10
	- 1 Gang (8mm) Blanking Plate	CBP100	10
	- 1 Gang (12mm) Blanking Plate	CBP120	10
	Connection Unit with Flex Outlet 45A, 250V~ BS 5733		
	- 1 Gang (21mm)	CCU145	10
	DP Switch with Neon 45A, 250V~ BS EN 60669 IEC 60669 MS 616 SS 227		
	- 1 Gang (8mm)	CSW174	5
	DP Switch with Neon 45A, 250V~ (86mm x 147mm x 8mm) BS EN 60669 IEC 60669 MS 616 SS 227		
	- 1 Gang (8mm)	CSW274	5
	45A DP Switch and 13A Switched Socket Outlet with Neon, 250V~ - (86mm x 147mm x 8mm) BS 4177		
	- 1 Gang (8mm)	CCS234	1

Product	Description	Order Code	Pak Qty

Further technical details
www.Busch-Jaeger.com

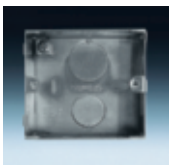
The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	**Description**	Order Code	Pak Qty
	Telephone Outlet (American Type) FCC68 BS 5733 where applicable		
	- RJ11 Single (12mm)	CTL126	10
	Telephone Outlet (American Type) FCC68 BS 5733 where applicable		
	- RJ11 Twin (12mm)	CTL226	10
	Telephone Outlet (British Type) BS 6312 where applicable		
	- BT Master Unit (12mm)	CTL146	10
	- BT Secondary Unit (12mm)	CTL147	10
	RJ45 Computer Outlet BS 5733 where applicable		
	- 1 Gang (12mm) Cat 5	CTL128	10
	- 1 Gang (12mm) Cat 6	CTL129	10
	TV Outlet BS 5733 where applicable		
	- 75 ohm Co-axial TV outlet (12mm)	CTV122	10
	TV/FM Outlet BS 5733 where applicable		
	- TV/FM Co-axial TV outlet (12mm)	CTV242	10

Product	**Description**	Order Code	Pak Qty
	SCV Cable TV/FM Outlet BS 5733 where applicable		
	- 2 Gang (8mm)	CTV239	5
	13A Fused Connection Unit BS 1363 SS 403		
	- 1 Gang (8mm)	CFC102	10
	- 1 Gang (12mm)	CFC112	10
	Fused Connection Unit with Neon 13A, 250V~ BS 1363 SS 403		
	- 1 Gang (8mm)	CFC132	10
	Switched Fused Connection Unit 13A, 250V~ BS 1363 SS 403		
	- 1 Gang (8mm)	CFC104	10
	- 1 Gang (12mm)	CFC114	10
	Switched Fused Connection Unit with Neon 13A, 250V~ BS 1363 SS 403		
	- 1 Gang (8mm)	CFC134	10
	- 1 Gang (12mm)	CFC124	10

Further technical details
www.Busch-Jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

Product	Description	Order Code	Pak Qty
	Architrave Moulded Surface Box BS 5733		
	- 1 Gang (20mm)	CBX100-A	20
	Moulded Surface Box BS 4662 BS 5733 where applicable		
	- 1 Gang (30mm)	CBX122	100
	Moulded Surface Box BS 4662 BS 5733 where applicable		
	- 2 Gang (30mm)	CBX222	100
	VDE Moulded Flush Box		
	- 1 Gang (41.8mm)	CFB122	100
	**VDE Metal Flush Box**		
	- 1 Gang (50mm)	CFBM122	100

Product	Description	Order Code	Pak Qty
	Shaver Unit 115 / 230V~, IP 41 - (86mm x 147mm x 12mm) BS EN 61558 IEC 61558 20VA 50Hz		
	- Shaver Unit	CSO289	1

Further technical details
www.Busch-Jaeger.com

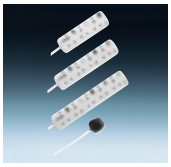
The Busch-Watchdog manual can be obtained free of charge from our central sales department.

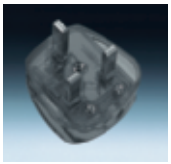
Product	Description	Order Code	Pak Qty
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 1 Gang 1 Way	CSWM101	5
	- 1 Gang 2 Way	CSWM102	5
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 2 Gang 1 Way	CSWM201	5
	- 2 Gang 2 Way	CSWM202	5
	Switch 10AX, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 3 Gang 1 Way	CSWM301	5
	- 3 Gang 2 Way	CSWM302	5
	DP Switch, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20A 1 Gang	CSWM114	5
	- 32A 1 Gang	CSWM144	5
	DP Switch with Neon, 250V~ BS EN 60669 IEC 60669 SS 227 MS 616		
	- 20A 1 Gang	CSWM134	5
	- 32A 1 Gang	CSWM154	5
	3 Pin Switched Socket Outlet 13A, 250V~ BS 1363 SS 145 MS 589		
	- 1 Gang	CSOM113	5

Product	Description	Order Code	Pak Qty
	3 Pin Switched Socket Outlet 13A, 250V~ BS 1363 SS 145 MS 589		
	- 2 Gang	CSOM213	2
	RCD Switched Socket Outlet 13A, 250V~ BS 7288 **Specifications** **Contact Status Indicator** Red flag incorporated in reset button **Operating Voltage / Frequency** 230V~ +15% -10% **Load Current** 13A resistive **RCD Trip Current** 30mA nominal **Trip Speed** Not more than 40ms at 5 times rated tripping current **Circuit Fault Breaking Capacity** 1500A **Earth Fault Breaking Capacity** 250A		
	- 1 Gang	CRSM113	1
	- 2 Gang	CRSM213	1
	Round Pin Switched Socket Outlet 15A, 250V~ BS 546 SS 472		
	- 1 Gang	CSOM115	5
	Telephone Outlet		
	- RJ11	CTLM126	5
	Blanking Plate		
	- 2 Gang	CBPM200	5

Further technical details
www.Busch-Jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

Product	Description	Order Code	Pak Qty
	**Extension Switched Socket with Neon 13A , 250V~** Colour Indicator Stickers included in every pack BS 1363/A MS 589/A SS 145/A		
	- 2 Gang	CES233	1
	- 3 Gang	CES333	1
	- 4 Gang	CES433	1
	- 5 Gang	CES533	1
	- 6 Gang	CES633	1
	- 8 Gang	CES833	1

Product	Description	Order Code	Pak Qty
	3Pin Fused Plug 13A BS 1363 SS 145 MS 589		
	- White	B7913 (White)	10
	3Pin Fused Plug 13A BS 1363/A SS 145/A MS 589/A		
	- Ivory	P7913 (Ivory)	10
	- Clear Purple	P7913 (Clear Purple)	10
	- Clear Blue	P7913 (Clear Blue)	10
	- Clear Orange	P7913 (Clear Orange)	10
	- Clear Red	P7913 (Clear Red)	10
	- Clear	P7913 (Clear)	10
	- Clear Green	P7913 (Clear Green)	10
	- Clear Yellow	P7913 (Clear Yellow)	10
	3 Round Pin Plug BS 546 SS 472		
	- 5A	B7905 (White)	10
	- 15A	B7915 (White)	10

Further technical details
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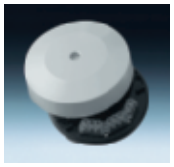
Product	Description	Order Code	Pak Qty
	**Ceiling Roses** BS 67	CCR101	10
	Angled Lampholder **T2, B22 Bayonet** BS EN 61184	CLH103	10
	Straight Lampholder **E27 Screw Batten** BS EN 61184	CLH104	10
	Straight Lampholder **T2, B22 Bayonet** **(H_{base} = 27mm)** BS EN 61184	CLH105	10
	Weatherproof Switch IP66 **10AX & 20AX, 250V~** IEC 60669 **Degree of protection** IP66 **Rated Voltage** 250V AC, 50Hz **Rated Current** 10AX & 20AX **Padlock** At "ON" & "OFF" position **Installation and connection** Conduit entry through M25 thread entries on top and bottom		
	- 10AX 1 Gang 1 Way	WSW101	1
	- 10AX 1 Gang 2 Way	WSW102	1
	- 20AX 1 Gang DP	WSW114	1

Product	Description	Order Code	Pak Qty
	Weatherproof Switched Isolator IP66 **20A, 32A, 45A & 63A** IEC 60947 BS EN 60947 Number of poles - 2P & 4P Rated operational voltage U_e - 240/440V Rated insulation voltage U_i - 630V Rated impulse withstand voltage U_{imp} - 2.5kV 1.2/50µs Rated frequency - 50/60Hz Rated utilization category - AC-23A Rated making capacity - 10I_e Rated breaking capacity - 8I_e Rated short-time withstand current I_{cw} - 15I_e for 1s Rated short-circuit making capacity I_{cm} - 4500A Pollution degree - 3 Degree of protection - IP66		
	- 20A 2P Switched Isolator	WSD220	1
	- 32A 2P Switched Isolator	WSD232	1
	- 45A 2P Switched Isolator	WSD245	1
	- 63A 2P Switched Isolator	WSD263	1
	- 20A 4P Switched Isolator	WSD420	1
	- 32A 4P Switched Isolator	WSD432	1
	- 45A 4P Switched Isolator	WSD445	1
	- 63A 4P Switched Isolator	WSD463	1
	Weatherproof Unswitched **Socket Outlet IP55** **13A, 250V~** BS 1363-2 IEC 60529		
	- Weatherproof 13A Unswitched Socket Outlet	WSO123	1
	Weatherproof Switched **Socket Outlet IP55** **13A, 250V~** BS EN 60947-3 IEC 60947-3		
	- Weatherproof 13A Switched Socket Outlet	WSO213	1
	Rated current Suitable for 13A **Degree of protection** IP55 in used and unused situations **Padlock** NO - Unswitched Socket Outlet Yes, in off position - Switched Socket Outlet **Installation and connection** max. 2.5mm² in coming cable conduit entry through 1 x M25 thread entries on top and bottom M20 is possible through reducer provided		
	Weatherproof Cover IP55 IEC 60529 IEC 60670 IP55 in used and unused situations Transparent, impact resistant cover No spring required Soft pad to fill voids on uneven surface Self holding cordgrip Card sloped to avoid water entering No gasket is required Can be padlocked Easy to add-on to existing socket outlet		
	- Weatherproof Cover with soft pad	CWP100	5

Further technical details
www.Busch-Jaeger.com

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Different by design.

Your sense of Style is Unique. With *alpha bs*® switches you can express it in every detail of your home; adding a fresh, innovative touch that will enhance contemporary and traditional interiors alike. Designed to meet the highest safety standards and constructed from the most durable, scratch resistant materials, *alpha bs*® switches will stay safe and stylish for a lifetime.

ivory

palladium

studio white

platinum

gold

bronze

titanium

1gang Switch.
Colour: gold/ivory

Socket Outlet.
Colour: gold/ivory

Product	Article-No.	Order-No.	Pack Qty

10 AX Rocker Switch Mechanism
Mounting Type: Flush-mounted
screw-type terminals
Rated voltage: 250 V~
Rated current: 10 AX
BS EN 60669-1, IEC 60669-1

1gang 1way SP			
	2002/1 SUBS	1012-0-2077	10/100
1gang 2way SP			
	2002/6 SUBS	1012-0-2079	10/100
1gang intermediate			
	2002/7 SUBS	1012-0-2080	10
2gang 1way SP			
	2002/5 SUBS	1012-0-2078	10/100

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: illuminable with neon lamp 8338-1.

10 AX Rocker Switch Mechanism
Mounting Type: Flush-mounted
With screwless terminal
Rated voltage: 250 V~
Rated current: 10 AX
BS EN 60669-1, IEC 60669-1

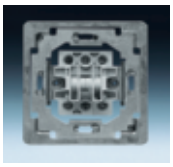
1gang 1way SP			
	2000/1 UBS	1012-0-1887	10/100
1gang 2way SP			
	2000/6 UBS	1012-0-1903	10/100
1gang intermediate			
	2000/7 UBS	1012-0-1911	10/100
2gang 1way SP			
	2000/5 UBS	1012-0-1895	10/100

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: illuminable with neon lamps 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.



10 AX Rocker Switch Mechanism
2gang 2way SP
Mounting Type: Flush-mounted
With screw-type terminal.
Rated voltage: 250 V~
Rated current: 10 AX
BS EN 60669-1, IEC 60669-1

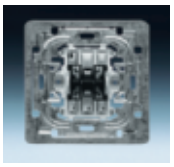
	2003/6/6 SUBS	1012-0-2081	10/100

Mounting boxes: min. 25 mm deep flush 1gang

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty



16 AX Rocker Switch Mechanism
3 gang 1way, SP
Mounting Type: Flush-mounted
screwless terminals
Rated voltage: 250 V~
Rated current: 16 AX
BS EN 60669-1, IEC 60669-1

	106/3/1 UBS	1012-0-2076	10/100

Mounting boxes: min. 25 mm deep flush 1gang

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: not applicable

10 AX Push Switch Mechanism
Mounting Type: Flush-mounted
With screw-type terminal.
Rated voltage: 250 V~
Rated current: 10 A
BS EN 60669-1, IEC 60669-1

1gang 1way SP			
	2022 SUBS	1413-0-1055	10/100
2gang 1way SP			
	2022/5 SUBS	1413-0-1056	10/100
1gang 2way SP			
	2022/6 SUBS	1413-0-1057	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: illuminable with neon lamp 8338-1.

10 A Push Switch Mechanism
Mounting Type: Flush-mounted
With screwless terminal
Rated voltage: 250 V~
Rated current: 10 A
BS EN 60669-1

1gang 1way SP			
	2020 UBS	1413-0-0970	10/100
1gang 2way SP [1]			
	2020 UBS-206	1413-0-1036	10
2gang 1way SP			
	2020 UBS-205	1413-0-1028	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: illuminable with neon lamps 8350, 8352 8353, 8337-1, 8345-1 and 8344-1 . ATTENTION: 2020 UBS-205 illuminable with neon lamp 8338-1

delivery form: insert (cover and cover frame to be ordered separately)

1) With separate contact for neutral wire.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

20 A Double Pole Switch
1gang 1way, normally open contact
Mounting Type: Flush-mounted
With screw-type terminal.
Rated voltage: 250 V~
Rated current: 20 A
BS EN 60669-1, IEC 60669-1

1020/2 USBS-101	1020-0-0057	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

20 A Double Pole Switch
1gang 1way, normally open contact
Mounting Type: Flush-mounted
with neon lamp, with screw type terminals
Rated voltage: 250 V~
Rated current: 20 A
BS EN 60669-1, IEC 60669-1

1020/2 USKBS-101	1020-0-0058	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: switch 1020/2 USKBS-101 delivered with neon lamp

Blind switch insert [1] [2]
Mounting Type: Flush-mounted
With block against simultaneous switching.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

SP, switch

2000/4 US	1012-0-1309	10/100

Push switch

2020/4 US	1413-0-0590	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) These blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

Product	Article-No.	Order-No.	Pack Qty

Blind switch insert [1] [2] [3]
Mounting Type: Flush-mounted
With rotary knob/switch and push switch.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1, British Standard EN 60669-1

DP

2712 U	1101-0-0534	10

SP + N + E

2713 U	1101-0-0542	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Key Switch Insert [1] [2] [3]
SP, 1gang 1way switch
Mounting Type: Flush-mounted
For profile semi-cylindrical lock.
In switched-on and switched-off status the key can be pulled out in the central position, respectively.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

2733 USL-101	1101-0-0914	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See profile semi-cylindrical lock.

Card-Switch 10 A [1] [2]
SP, with normally open contact (operating current)
Illuminable.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

2025 U	1012-0-1713	10

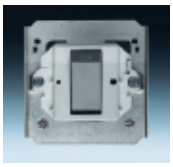
Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Product	Article-No.	Order-No.	Pack Qty



45 A Double Pole Switch Mechanism
Mounting Type: Flush-mounted
screw-type terminals
Rated voltage: 250 V~
Rated current: 45 A
BS EN 60669-1, IEC 60669-1

1045/2 UGL	1045-0-0002	10/100

Mounting boxes: min. 35 mm deep flush 1gang
(45 mm box depth recommended for extra wiring space)

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: ex factory provided with special neon indicator

32 A Double Pole Switch Mechanism
Mounting Type: Flush-mounted
screw-type terminals
Rated voltage: 250 V~
Rated current: 32 A
BS EN 60669-1, IEC 60669-1

1032/2 UGL	1045-0-0001	10/100

Mounting boxes: min. 35 mm deep flush 1gang
(45 mm box depth recommended for extra wiring space)

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: ex factory provided with special neon indicator

Busch Comfort Switch insert [1] [2] [3]
Mounting Type: Flush-mounted
2-wire connection.
For Busch Comfort Switch sensors 6815-xxx.
Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 40 - 300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6815 U	6800-0-2270	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

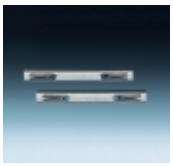
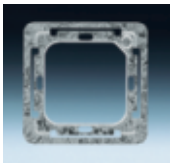
1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack Qty

Busch Comfort Switch sensor [1]
with neon lamp.
Mounting Type: Flush-mounted
For 2-wire insert 6815 U.
Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.
Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.
Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.
Push switch function possible at all times.
Switch-off delay: 1 to 10 min., adjustable.
Surveillance density: 9 sectors with 28 switching segments.
Detection with animal access
Detection range: frontal: 5 m, lateral: 3 m
Aperture angle: 170 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

20	platinum	**6815-20**	6800-0-2273	1/10
21	bronze	**6815-21**	6800-0-2274	1/10
22G	ivory	**6815-22G**	6800-0-2275	1/10
24	studio white	**6815-24**	6800-0-2276	1/10
260	palladium	**6815-260**	6800-0-2282	1/10
266	titanium	**6815-266**	6800-0-2283	1/10

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	**Mounting Clips** Mounting Type: Flush-mounted For 2gang product combinations into a standard 2gang BS box.		
	MCBS	1012-0-2068	20
Mounting boxes:	Clips for 2gang product combinations to be installed in a flush 2gang mounting box.		
2gang product combinations:	10 AX switches 2000/x UBS, 10AX push switches 2020/x UBS, 20A DP switch.		
	**Adapter Plate** Mounting Type: Flush-mounted for adaption of BJE products with German type mounting plates to British wall boxes (1gang boxes and Dual Boxes)		
	APBS	6599-0-2813	10/100
	DIN Profile-Semi Cylindrical Lock acc. to German Standard DIN 18252 Total length 40 mm for blind switches and push switches For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.		
	lock mechanism, with 3 keys		
	0521 PZ-GS	0470-0-0021	1/100
	homogeneous lock mechanism, 3 keys per lock		
	0520 PZ-VS	0470-0-0013	1/100
	Dual Box Mounting Type: Flush-mounted flush steel box fixed lugs 16 x 20 mm Knockouts BS 4662		
	3070-2/35 BSDB	1741-0-0066	5

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch		
20 platinum	**1786-20**	1751-0-1617	10/100
21 bronze	**1786-21**	1751-0-1708	10/100
22G ivory	**1786-22G**	1751-0-2482	10/100
23G gold	**1786-23G**	1751-0-2791	10/100
24 studio white	**1786-24**	1751-0-1849	10/100
260 palladium	**1786-260**	1751-0-2821	10/100
266 titanium	**1786-266**	1751-0-2832	10/100
	Switch Rocker **with transparent lens** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch		
20 platinum	**1787-20**	1751-0-2045	10
21 bronze	**1787-21**	1751-0-2052	10
22G ivory	**1787-22G**	1751-0-2508	10
23G gold	**1787-23G**	1751-0-2801	10/100
24 studio white	**1787-24**	1751-0-2060	10
260 palladium	**1787-260**	1751-0-2824	10/100
266 titanium	**1787-266**	1751-0-2835	10/100
	Switch Rocker [1] [2] [3] **with window** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch Size of marking plate: 57 x 11 mm. Illuminable.		
20 platinum	**1781-20**	1751-0-1666	10
21 bronze	**1781-21**	1751-0-1757	10
22G ivory	**1781-22G**	1751-0-2540	10
24 studio white	**1781-24**	1751-0-1898	10
260 palladium	**1781-260**	1751-0-2822	10
266 titanium	**1781-266**	1751-0-2833	10
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 2g1w, 2g push switch		
20 platinum	**1785-20**	1751-0-1682	10
21 bronze	**1785-21**	1751-0-1773	10/100
22G ivory	**1785-22G**	1751-0-2565	10
23G gold	**1785-23G**	1751-0-2789	10/100
24 studio white	**1785-24**	1751-0-1914	10
260 palladium	**1785-260**	1751-0-2827	10/100
266 titanium	**1785-266**	1751-0-2838	10/100
	Switch Rocker Mounting Type: Flush-mounted for flush mounted switch 2g2w		
20 platinum	**1785-20-101**	1751-0-2889	10
21 bronze	**1785-21-101**	1751-0-2706	10
22G ivory	**1785-22G-101**	1751-0-2890	10
23G gold	**1785-23G-101**	1751-0-2910	10
24 studio white	**1785-24-101**	1751-0-2891	10
260 palladium	**1785-260-101**	1751-0-2893	10
266 titanium	**1785-266-101**	1751-0-2894	10

1) The labels are clamped under the window.
2) See lettering sheet and lettering software.
3) Illumination using neon lamp 8353 or incandescent lamp 8344-1.

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker Mounting Type: Flush-mounted 3gang,		
	1783-20	1751-0-2865	10
21 bronze	**1783-21**	1751-0-2866	10
22G ivory	**1783-22G**	1751-0-2867	10
24G studio white	**1783-24G**	1751-0-2433	10
260 palladium	**1783-260**	1751-0-2877	10
266 titanium	**1783-266**	1751-0-2878	10
	Switch Rocker **with transparent lens** Mounting Type: Flush-mounted with light symbol for flush mounted push switch.		
20 platinum	**1789 LI-20**	1751-0-1633	10
21 bronze	**1789 LI-21**	1751-0-1724	10
22G ivory	**1789 LI-22G**	1751-0-2516	10
23G gold	**1789 LI-23G**	1751-0-2809	
24 studio white	**1789 LI-24**	1751-0-1864	10
260 palladium	**1789 LI-260**	1751-0-2828	10/100
266 titanium	**1789 LI-266**	1751-0-2839	10/100
	Switch Rocker **with transparent lens** Mounting Type: Flush-mounted With bell symbol for flush mounted push switch.		
20 platinum	**1789 KI-20**	1751-0-1641	10
21 bronze	**1789 KI-21**	1751-0-1732	10
22G ivory	**1789 KI-22G**	1751-0-2524	10
23G gold	**1789 KI-23G**	1751-0-2807	10
24 studio white	**1789 KI-24**	1751-0-1872	10
260 palladium	**1789 KI-260**	1751-0-2829	10
266 titanium	**1789 KI-266**	1751-0-2840	10
	Switch Rocker **with transparent lens** Mounting Type: Flush-mounted With key symbol for flush mounted push switch.		
20 platinum	**1789 TR-20**	1751-0-1658	10
21 bronze	**1789 TR-21**	1751-0-1740	10
22G ivory	**1789 TR-22G**	1751-0-2532	10
23G gold	**1789 TR-23G**	1751-0-2811	
24 studio white	**1789 TR-24**	1751-0-1880	10
260 palladium	**1789 TR-260**	1751-0-2830	10
266 titanium	**1789 TR-266**	1751-0-2841	10
	20 A Switch Rocker Mounting Type: Flush-mounted with marking "IO"		
20 platinum	**1786 IO-20**	1751-0-2899	10
21 bronze	**1786 IO-21**	1751-0-2900	10
22G ivory	**1786 IO-22G**	1751-0-2722	10
23G gold	**1786 IO-23G**	1751-0-2799	
24 studio white	**1786 IO-24**	1751-0-2723	10
260 palladium	**1786 IO-260**	1751-0-2901	10
266 titanium	**1786 IO-266**	1751-0-2902	10

Product	Article-No.	Order-No.	Pack Qty
	20 A Switch Rocker **with red neon lens and marking** Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, DP, 3-pole and control 1gang 1way DP.		
20 platinum	**1788-20**	1751-0-1674	10
21 bronze	**1788-21**	1751-0-1765	10
22G ivory	**1788-22G**	1751-0-2557	10
23G gold	**1788-23G**	1751-0-2803	10/100
24 studio white	**1788-24**	1751-0-1906	10
260 palladium	**1788-260**	1751-0-2823	10
266 titanium	**1788-266**	1751-0-2834	10
	20 A Switch Rocker Mounting Type: Flush-mounted with red neon lens, with marking "water heater" 1gang 1way DP, neon lamp		
20 platinum	**1788 WH-20**	1751-0-2715	10
21 bronze	**1788 WH-21**	1751-0-2716	10
22G ivory	**1788 WH-22G**	1751-0-2717	10
23G gold	**1788 WH-23G**	1751-0-2795	
24 studio white	**1788 WH-24**	1751-0-2718	10
260 palladium	**1788 WH-260**	1751-0-2896	10
266 titanium	**1788 WH-266**	1751-0-2897	10
	Switch Rocker **with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
20 platinum	**1785 JA-20**	1751-0-1823	10
21 bronze	**1785 JA-21**	1751-0-1831	10
22G ivory	**1785 JA-22G**	1751-0-2581	10
23G gold	**1785 JA-23G**	1751-0-2793	10
24 studio white	**1785 JA-24**	1751-0-1922	10
260 palladium	**1785 JA-260**	1751-0-2831	10/100
266 titanium	**1785 JA-266**	1751-0-2842	10/100
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. for inserts 2712/2713 U and 2722/2723 U.		
20 platinum	**1740 DR-20**	1753-0-1092	10
21 bronze	**1740 DR-21**	1753-0-1175	10
22G ivory	**1740 DR-22G**	1710-0-2330	10
23G gold	**1740 DR-23G**	1710-0-3257	
24 studio white	**1740 DR-24**	1753-0-1555	10
260 palladium	**1740 DR-260**	1710-0-3302	10
266 titanium	**1740 DR-266**	1710-0-3328	10
	Cover Plate **with marking** Mounting Type: Flush-mounted As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
20 platinum	**1755 PZ-20-101**	1710-0-1498	10
21 bronze	**1755 PZ-21-101**	1710-0-1506	10
22G ivory	**1755 PZ-22G-101**	1710-0-2348	10
24 studio white	**1755 PZ-24-101**	1710-0-1514	10
260 palladium	**1755 PZ-260-101**	1710-0-3303	10
266 titanium	**1755 PZ-266-101**	1710-0-3329	10

alpha bs® Socket Outlets

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] Mounting Type: Flush-mounted with marking. For half-cylindrical type switch. For insert 2733 USL-101.		
20 platinum	**1755 SLPZ-20-101**	1710-0-1563	10
21 bronze	**1755 SLPZ-21-101**	1710-0-1571	10
22G ivory	**1755 SLPZ-22G-101**	1710-0-2355	10
24 studio white	**1755 SLPZ-24-101**	1710-0-1589	10
260 palladium	**1755 SLPZ-260-101**	1710-0-3304	10
266 titanium	**1755 SLPZ-266-101**	1710-0-3330	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

	Cover Plate Mounting Type: Flush-mounted For card switch for insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
20 platinum	**1792-20-101**	1710-0-3293	10
21 bronze	**1792-21-101**	1710-0-3294	10
22G ivory	**1792-22G-101**	1710-0-3295	10
23G gold	**1792-23G-101**	1710-0-3301	10
24 studio white	**1792-24-101**	1710-0-3296	10
260 palladium	**1792-260-101**	1710-0-3305	10
266 titanium	**1792-266-101**	1710-0-3331	10

	45 A and 32 A Switch Cover Plate Mounting Type: Flush-mounted With red neon lens. for 45 A switch and 32 A switch, 1gang 1way		
20 platinum	**1746/50-20**	1710-0-3034	10
21 bronze	**1746/50-21**	1710-0-3035	10
22 ivory	**1746/50-22**	1710-0-3036	10
23G gold	**1746/50-23**	1710-0-3253	10
24 studio white	**1746/50-24**	1710-0-3037	10
260 palladium	**1746/50-260**	1710-0-3495	10
266 titanium	**1746/50-266**	1710-0-3496	10

Product	Article-No.	Order-No.	Pack Qty
	13 A Switch socket Outlet Mounting Type: Flush-mounted With neon lamp. DP switched 1gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum	**2190 EUCGL/2-20**	2190-0-0030	10/100
21 bronze	**2190 EUCGL/2-21**	2190-0-0031	10
22 ivory	**2190 EUCGL/2-22**	2190-0-0032	10/100
23G gold	**2190 EUCGL/2-23G**	2190-0-0073	10
24 studio white	**2190 EUCGL/2-24**	2190-0-0033	100/100
260 palladium	**2190 EUCGL/2-260**	2190-0-0125	10/100
266 titanium	**2190 EUCGL/2-266**	2190-0-0133	10/100

Mounting boxes: min. 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB ; 35 mm box depth recommended.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: incorporated

delivery form: insert and cover plate (cover frame to be ordered separately)

	13 A Switch socket Outlet Mounting Type: Flush-mounted DP switched dual earth terminals 2gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum	**2190-02 EUC/2-20**	2190-0-0148	1/10
21 bronze	**2190-02 EUC/2-21**	2190-0-0149	1/10
22 ivory	**2190-02 EUC/2-22**	2190-0-0153	1/10
23G gold	**2190-02 EUC/2-23G**	2190-0-0152	1/10
24 studio white	**2190-02 EUC/2-24**	2190-0-0154	1/10
260 palladium	**2190-02 EUC/2-260**	2190-0-0150	1/10
266 titanium	**2190-02 EUC/2-266**	2190-0-0151	1/10

Mounting boxes: min. 25 mm deep flush 2gang

neon indicator: not applicable

	13 A Switch socket Outlet with neon Mounting Type: Flush-mounted DP switched dual earth terminals 2gang Rated voltage: 250 V~ BS 1363: part2		
20 platinum	**2190-02EUCGL/2-20**	2190-0-0156	1/10
21 bronze	**2190-02EUCGL/2-21**	2190-0-0157	1/10
22 ivory	**2190-02EUCGL/2-22**	2190-0-0161	1/10
23G gold	**2190-02EUCGL/2-23G**	2190-0-0160	1/10
24 studio white	**2190-02EUCGL/2-24**	2190-0-0162	10/40
260 palladium	**2190-02EUCGL/2-260**	2190-0-0158	1/10
266 titanium	**2190-02EUCGL/2-266**	2190-0-0159	1/10

Mounting boxes: min. 25 mm deep flush 2gang

neon indicator: incorporated

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Unswitched Socket
Mounting Type: Flush-mounted
unswitched
dual earth terminals
2gang
Rated voltage: 250 V~
Rated current: 13 A
BS 1363: part2

20 platinum	**2194-02 EUC-20**	2190-0-0164	1/10
21 bronze	**2194-02 EUC-21**	2190-0-0165	1/10
22 ivory	**2194-02 EUC-22**	2190-0-0169	1/10
23G gold	**2194-02 EUC-23G**	2190-0-0168	1/10
24 studio white	**2194-02 EUC-24**	2190-0-0170	1/10
260 palladium	**2194-02 EUC-260**	2190-0-0166	1/10
266 titanium	**2194-02 EUC-266**	2190-0-0167	1/10

Mounting boxes: min. 25 mm deep flush 1gang

2gang product combinations: not applicable

neon indicator: not applicable

15 A Switchsocket Outlet
Mounting Type: Flush-mounted
With neon lamp.
DP
1gang
Rated voltage: 250 V~
Rated current: 15 A
BS 546

20 platinum	**2191 EUCGL/2-20**	2191-0-0020	10/100
21 bronze	**2191 EUCGL/2-21**	2191-0-0021	10
22 ivory	**2191 EUCGL/2-22**	2191-0-0022	100/100
23G gold	**2191 EUCGL/2-23G**	2191-0-0029	
24 studio white	**2191 EUCGL/2-24**	2191-0-0023	10
260 palladium	**2191 EUCGL/2-260**	2191-0-0034	10/100
266 titanium	**2191 EUCGL/2-266**	2191-0-0036	10/100

Mounting boxes: min. 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB ; 35 mm box depth recommended.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: incorporated

delivery form: insert and cover plate (cover frame to be ordered separately)

Euro-American Socket Outlet
Mounting Type: Flush-mounted
Rated voltage: 250 V~
Rated current: 16 A
IEC 884-1

20 platinum	**2192 UC-20**	2192-0-0078	10/100
21 bronze	**2192 UC-21**	2192-0-0086	10/100
22 ivory	**2192 UC-22**	2192-0-0110	10/100
23G gold	**2192 UCBS-23G**	2192-0-0179	10/100
24 studio white	**2192 UC-24**	2192-0-0011	10/100
260 palladium	**2192 UC-260**	2192-0-0184	10/100
266 titanium	**2192 UC-266**	2192-0-0185	10/100

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty

Indication Lamp Mechanism for screwless terminal
Mounting Type: Flush-mounted
Without cover.
Rated voltage: 250 V~

for push-in lamp [1]

	2061 U	1511-0-0062	10

for lamp with E-10 thread [2]

	2661 U	1511-0-0096	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: 2061 U is illuminable with lamps 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
2661 U is illuminable with lamps 8302, 8340, 8342, 8343 and 8341.

1) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
2) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.

Cover Plate [1] for indication lamp
Mounting Type: Flush-mounted
for insert 2061/2661 U.
As cover for flush-mounted light signal.

20 platinum	**1756-20**	1753-0-1506	10
21 bronze	**1756-21**	1753-0-1522	10
22G ivory	**1756-22G**	1710-0-2413	10
24 studio white	**1756-24**	1753-0-1548	10
260 palladium	**1756-260**	1710-0-3306	10
266 titanium	**1756-266**	1710-0-3332	10

1) Transparent cap 1557-1x required.

Cap
Mounting Type: Flush-mounted
As cover for flush-mounted light signal.
for insert 2061/2661 U.

11 clear	**1557-11**	1565-0-0134	10
12 red	**1557-12**	1565-0-0142	10
13 green	**1557-13**	1565-0-0159	10

Shaver Supply Unit
Mounting Type: Flush-mounted
max. 20 VA Input: 240 V, 50 Hz Output: 110 V/240 V, 50 Hz
BS 3535 part. 1

20 platinum	**2332 UJBS-20**	2130-0-0277	1/5
21 bronze	**2332 UJBS-21**	2130-0-0278	5/5
22 ivory	**2332 UJBS-22G**	2130-0-0279	1/5
23G gold	**2332 UJBS-23G**	2130-0-0280	5
24 studio white	**2332 UJBS-24G**	2130-0-0281	1/5
obsidian	**2332 UJBS-255**	2130-0-0289	10/100
260 palladium	**2332 UJBS-260**	2130-0-0287	5
266 titanium	**2332 UJBS-266**	2130-0-0288	1/5

Mounting boxes: 47 mm deep flush, 2gang

delivery form: insert and cover plate (no cover frame)

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Busch-Protector® SCHUKO® Socket Outlet [1]
With overvoltage protection.
Mounting Type: Flush-mounted
2 P + E
With integrated and external signalling contact.
I_{SN} = 5 kA
Device protection for technically sensitive terminals such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
Arrestor test class: classification Type 2
Rated voltage: 250 V~
Rated current: 16 A

20	platinum	**2310EUGL/VA-20-11**	2011-0-3819	1
21	bronze	**2310EUGL/VA-21-11**	2011-0-3820	1
22G	ivory	**2310EUGL/VA-22G-11**	2011-0-3821	1
24	studio white	**2310EUGL/VA-24-11**	2011-0-3822	1
260	palladium	**2310EUGL/VA-260-11**	2011-0-3828	1
266	titanium	**2310EUGL/VA-266-11**	2011-0-3829	1

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

13A Connection Unit
with Flex Outlet
Mounting Type: Flush-mounted
DP switched
for cables up to 11 mm
Rated voltage: 250 V~
Rated current: 13 A
BS 1363: part4

20	platinum	**1910 U/2-20**	1001-0-0001	10
21	bronze	**1910 U/2-21**	1001-0-0002	10
22	ivory	**1910 U/2-22**	1001-0-0003	10/100
23G	gold	**1910 U/2-23G**	1001-0-0004	10
24	studio white	**1910 U/2-24**	1001-0-0005	10/100
260	palladium	**1910 U/2-260**	1001-0-0021	10
266	titanium	**1910 U/2-266**	1001-0-0023	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

13A Connection Unit
with Flex Outlet
Mounting Type: Flush-mounted
With neon lamp.
DP switched
for cables up to 11 mm
Rated voltage: 250 V-
Rated current: 13 A
BS 1363: part4

20	platinum	**1910 U/2 GL-20**	1001-0-0010	10
21	bronze	**1910 U/2 GL-21**	1001-0-0011	10
22	ivory	**1910 U/2 GL-22**	1001-0-0012	10/100
23G	gold	**1910 U/2 GL-23G**	1001-0-0013	10
24	studio white	**1910 U/2 GL-24**	1001-0-0014	10/100
260	palladium	**1910 U/2 GL-260**	1001-0-0022	10
266	titanium	**1910 U/2 GL-266**	1001-0-0024	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: incorporated

Product	Article-No.	Order-No.	Pack Qty

Blank Plate
with metal mounting plate
Mounting Type: Flush-mounted

20	platinum	**1742-20**	1753-0-1118	10
21	bronze	**1742-21**	1753-0-1431	10
22G	ivory	**1742-22G**	1710-0-2389	10
23G	gold	**1742-23G**	1710-0-3249	10
24	studio white	**1742-24**	1753-0-1571	10
260	palladium	**1742-260**	1710-0-3309	10/100
266	titanium	**1742-266**	1710-0-3335	10/100

Cover Plate [1]
with metal mounting plate
Mounting Type: Flush-mounted
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).

20	platinum	**1749-20**	1710-0-0904	10
21	bronze	**1749-21**	1710-0-0946	10
22G	ivory	**1749-22G**	1710-0-2561	10
24	studio white	**1749-24**	1710-0-0979	10
260	palladium	**1749-260**	1710-0-3316	10
266	titanium	**1749-266**	1710-0-3342	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

Telephone Socket RJ 11
Mounting Type: Flush-mounted
British Type, Master
1gang
BS 6312: part 2.2

20	platinum	**0280 BS-20**	1711-0-0040	10
21	bronze	**0280 BS-21**	1711-0-0043	10
22	ivory	**0280 BS-22**	0230-0-0293	10
23G	gold	**0280 BS-23**	0230-0-0303	10
24	studio white	**0280 BS-24**	0230-0-0294	10/100
260	palladium	**0280 BS-260**	1711-0-0034	10
266	titanium	**0280 BS-266**	1711-0-0037	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Telephone Socket RJ 11
Mounting Type: Flush-mounted
Secondary, 1gang
BS 6312: part 2.2

20 platinum	**0282 BS-20**	1711-0-0042	10
21 bronze	**0282 BS-21**	1711-0-0045	10
22 ivory	**0282 BS-22**	0230-0-0340	10
23G gold	**0282 BS-23**	1711-0-0047	10
24 studio white	**0282 BS-24**	1711-0-0046	10
260 palladium	**0282 BS-260**	1711-0-0036	10
266 titanium	**0282 BS-266**	1711-0-0039	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Telephone Socket RJ 11
Mounting Type: Flush-mounted
RJ 11, Category 3
BS 6312: part 2.2, FCC 68

20 platinum	**0281 BS-20**	1711-0-0041	10
21 bronze	**0281 BS-21**	1711-0-0044	10
22 ivory	**0281 BS-22**	0230-0-0298	10/100
23G gold	**0281 BS-23**	0230-0-0305	10
24 studio white	**0281 BS-24**	0230-0-0299	10/100
260 palladium	**0281 BS-260**	1711-0-0035	10
266 titanium	**0281 BS-266**	1711-0-0038	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Universal Data-Connection Boxes [1]
1gang
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0213	0230-0-0227	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack Qty

Data-Connection Boxes, RJ45, cat.5e, shielded [1]
1gang
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

	0216	0230-0-0276	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Cover Plate
Mounting Type: Flush-mounted
with down-leading outlet.
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck.

20 platinum	**1803-20**	1753-0-8410	10
21 bronze	**1803-21**	1753-0-8428	10
22G ivory	**1803-22G**	1710-0-2603	10
23G gold	**1803-23G**	1710-0-3281	
24 studio white	**1803-24**	1753-0-8436	10
260 palladium	**1803-260**	1710-0-3322	10
266 titanium	**1803-266**	1710-0-3348	10

Universal data connection box with down-leading outlet [1]
2 gang internally parallel connected
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0214	0230-0-0235	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack Qty

Universal data connection box with down-leading outlet [1]
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0215	0230-0-0243	10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Data-Connection Boxes, RJ45, cat.5e, shielded [1]
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

	0217	0230-0-0284	10/100

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) Suitable for cover plate 1803-02-xxx.

Cover Plate
2gang
Mounting Type: Flush-mounted
with down-leading outlet.
As cover for universal data connection boxes.
Art. No. 0214, 0215 (Cat 3/ISDN), 0217(Cat 5e/6 data technology) and comparable types of the Company Rutenbeck, BTR (E-Datdesign), AMP (NETCONNECT 5E).

20	platinum	**1803-02-20**	1753-0-8485	10
21	bronze	**1803-02-21**	1753-0-8493	10
22G	ivory	**1803-02-22G**	1710-0-2611	10
23G	gold	**1803-02-23G**	1710-0-3283	
24	studio white	**1803-02-24**	1753-0-8501	10
260	palladium	**1803-02-260**	1710-0-3321	10/100
266	titanium	**1803-02-266**	1710-0-3347	10/100

Product	Article-No.	Order-No.	Pack Qty

TV Outlet [1]
Single, non isolated
Mounting Type: Flush-mounted
for connection to a TV or FM co-axial aerial lead
Rated frequency: 5000 Hz/860000 Hz
BS 3041, IEC 60169-2

20	platinum	**1743-01 BS-20**	1724-0-2833	10
21	bronze	**1743-01 BS-21**	1724-0-2836	10
22	ivory	**1743-01 BS-22-500**	1724-0-2732	10
23G	gold	**1743-01 BS-23G**	1724-0-2851	10
24	studio white	**1743-01 BS-24-500**	1724-0-2733	10
260	palladium	**1743-01 BS-260**	1724-0-2820	10
266	titanium	**1743-01 BS-266**	1724-0-2823	10

Mounting boxes: 16 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG,
2gang frame 1722 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) With BS-type metal mount. plate.

TV / FM Outlet [1]
Twin, non isolated
Mounting Type: Flush-mounted
For connection to each of two separate TV/FM coaxial aerial leads.
Rated frequency: 5000 Hz/860000 Hz
BS 3041, IEC 60169-2

20	platinum	**1743-02 BS-20-500**	1724-0-2835	10
21	bronze	**1743-02 BS-21-500**	1724-0-2838	10
22	ivory	**1743-02 BS-22-500**	1724-0-2742	10
24	studio white	**1743-02 BS-24-500**	1724-0-2743	10
260	palladium	**1743-02 BS-260-500**	1724-0-2821	10
266	titanium	**1743-02 BS-266-500**	1724-0-2824	10

Mounting boxes: 16 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

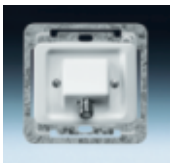
Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) With BS-type metal mount. plate.

Product	Article-No.	Order-No.	Pack Qty
	**Satellite Socket** Mounting Type: Flush-mounted F-Type Single BS 5733, IEC 60169-2		
20 platinum	**0233 BS-20**	1711-0-0001	10
22 ivory	**0233 BS-22**	0230-0-0307	10
23G gold	**0233 BS-23G**	1711-0-0048	10
24 studio white	**0233 BS-24**	0230-0-0309	10
260 palladium	**0233 BS-260**	1711-0-0002	10
266 titanium	**0233 BS-266**	1711-0-0003	10

Mounting boxes: 25 mm deep flush 1gang , 2gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty
	Room Thermostat [1) 2) 3) 4) 5)] **With make contact and time control** Mounting Type: Flush-mounted With switch ON/OFF and switch-over Time program/permanent operation. Time-controlled reduction of nightly room temperature. With make contact and time control Rated voltage: 230 V~ Rated current: 8 A, cos φ 1 IEC 60669-2-1, British Standard EN 60669-2-1		
	1080 U	1032-0-0473	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
5) Switching temperature difference ± 0.7 K.

Product	Article-No.	Order-No.	Pack Qty
	Room Thermostat [1) 2) 3) 4) 5)] **With make-contact time control and remote sensor.** Mounting Type: Flush-mounted For underfloor heating. With switch ON/OFF and switch-over Time program/permanent operation. Opening of the relay contact, when the set temperature is reached. Sensor =NTC, 2 kiloohm at 25 degrees C. Time-controlled reduction of nightly room temperature. Remote sensor cable length: 4 m. Adjusting range: 10 to 60 degrees C. Rated voltage: 230 V~ Rated current: 8 A, cos φ 1 IEC 60669-2-1, British Standard EN 60669-2-1		
	1080 UF	1032-0-0481	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Switching temperature difference ± 0.7 K.
5) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3] [4]
with remote sensor
Mounting Type: Flush-mounted
For underfloor heating.
Switching temperature difference: +/- 0.35 K.
Opening of the relay contact, when the set temperature is reached.
Sensor =NTC, 2 kiloohm at 25 degrees C.
Remote sensor cable length: 4 m.
Adjusting range: 10 to 60 degrees C.
Connecting cable: 1mm² to 2.5 mm²
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

	1082 UF	1032-0-0482	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) Room thermostats with thermal feedback need a 3 wire connection/for automatic reduction of nightly room temperature, a 4 wire connection.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1094 U	1032-0-0483	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1095 U	1032-0-0484	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
3) Switching temperature difference: ± 0.4 K.

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 24 V~
Rated current: 1 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1096 U	1032-0-0485	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1] [2] [3]
with 1gang 2way contact
Mounting Type: Flush-mounted
with claw fixation
Rated voltage: 230 V~
Rated current: 5 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1097 U	1032-0-0486	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Cover Plate
Mounting Type: Flush-mounted
As cover for flush mounted room thermostat with remote sensor.
for insert 1082 UF.

20	platinum	**1782-20**	1710-0-3086	10
21	bronze	**1782-21**	1710-0-3087	10
22G	ivory	**1782-22G**	1710-0-3088	10
24	studio white	**1782-24**	1710-0-3090	10
260	palladium	**1782-260**	1710-0-3324	10
266	titanium	**1782-266**	1710-0-3350	10

Cover Plate
Mounting Type: Flush-mounted
As cover for flush mounted room thermostat with make contact and time control.
For inserts 1080 U and 1080 UF.

20	platinum	**1780-20**	1710-0-2090	10
21	bronze	**1780-21**	1710-0-2108	10
22G	ivory	**1780-22G**	1710-0-2686	10
24	studio white	**1780-24**	1710-0-2116	10
260	palladium	**1780-260**	1710-0-3325	10
266	titanium	**1780-266**	1710-0-3351	10

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted for thermostat 1094 U, 1097 U		
20 platinum	**1794-20**	1710-0-3532	10
21 bronze	**1794-21**	1710-0-3533	10
22G ivory	**1794-22G**	1710-0-3534	10
24 studio white	**1794-24**	1710-0-3535	10
260 palladium	**1794-260**	1710-0-3541	10
266 titanium	**1794-266**	1710-0-3542	10
	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted with sliding switch for nightly room temperature reduction for thermostat 1095 U, 1096 U		
20 platinum	**1795-20**	1710-0-3557	10
21 bronze	**1795-21**	1710-0-3558	10
22G ivory	**1795-22G**	1710-0-3559	10
24 studio white	**1795-24**	1710-0-3560	10
260 palladium	**1795-260**	1710-0-3566	10
266 titanium	**1795-266**	1710-0-3567	10

Product	Article-No.	Order-No.	Pack Qty
	Busch-Dimmer® Insert [1) 2) 3) 4)] Mounting Type: Flush-mounted With rotary control, 2way On-Off switching and soft-catch, with leading edge dimming control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W IEC 60669-2-1, British Standard EN 60669-2-1		
	2250 U	6515-0-0704	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Provided with terminal for net disconnection devices.

Product	Article-No.	Order-No.	Pack Qty
	Busch-Dimmer® Insert [1) 2) 3) 4) 5)] Mounting Type: Flush-mounted With rotary control, 2way On-Off switching and soft-catch, with leading edge dimming control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	2247 U-500	6512-0-0302	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	**Article-No.**	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, soft-catch and with leading edge control.
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer.
Without cover plate.
With adjustable minimum brightness.
Rated voltage: 127 V~
Rated frequency: 60 Hz
Rated power: 20 - 250 W
IEC 60669-2-1, British Standard EN 60669-2-1

2247 U-127 6512-0-0297 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

delivery form: insert (Dimmer cover plate and cover frame to be ordered separately)

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Rotary-Switch Dimmer [1]
Mounting Type: Flush-mounted
With rotary control, separate switch output, 2way On-Off switching and soft-catch, with leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
For insert in 2w switching.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated current: 6 A
Rated power: 60 - 400 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6517 U-101-500 6517-0-0018 1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	**Article-No.**	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5] [6] [7]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6513 U-102-500 6513-0-0586 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Short-circuit protected, overload-protected.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 200 - 1000 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6520 U-500 6520-0-0227 1/10

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1) 2) 3) 4) 5) 6) 7)]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 550 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6519 U		6519-0-0011	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer Insert [1) 2) 3) 4) 5)]
Mounting Type: Flush-mounted
with soft-catch
with intelligence for universal operation
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Short-circuit protected, overload-protected.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
Operation via rotary-type remote control 6592 U possible, without cover plate
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6591 U-101-500		6513-0-0588	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
2) In case of electronic transformers, 5 % transformer losses.
3) In the case of conventional transformers, take ~20% transformer loss into account.
4) Control covers 2115-xxx and 6540-xxx.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Rotary Dimmer extension, Insert [1)]
Mounting Type: Flush-mounted
for connection to 6591 U-101,
To be used with Busch Universal Master Dimmer® 6583.
with soft-catch
A maximum of 5 multi-way extensions can be connected to a 6591U-101,
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz

6592 U-500		6513-0-0590	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Control covers 2115-xxx and 6540-xxx.

Busch-Electronic-Potentiometer [1) 2) 3) 4)]
Mounting Type: Flush-mounted
With rotary control.
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For LED control via control gears
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

2112 U-101-500		6599-0-2873	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) Use cover plates 2115 J-.../2115-.../6540-... .
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Making-current limiters have to be provided in case of too high making currents.

Cover Plate [1)]
with rotary knob, with indication lamp
Mounting Type: Flush-mounted
For Busch Dimmer®.
For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.

20	platinum	**6540-20**	6599-0-1458	10
21	bronze	**6540-21**	6599-0-1490	10
22G	ivory	**6540-22G**	6599-0-2803	10
23G	gold	**6540-23G**	6599-0-2848	10
24	studio white	**6540-24**	6599-0-1540	10
260	palladium	**6540-260**	6599-0-2852	10/100
266	titanium	**6540-266**	6599-0-2855	10

1) Replacement neon lamp 3856.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Busch Memory Touch-Dimmer [1] [2]
Mounting Type: Flush-mounted
With light-level memory and leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Compatible with control covers 6543-xxx-10x.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Parallel operation of several transformers and/or incandescents possible.
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6560 U-101	6560-0-1205	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
With light-level memory, adjustable minimum brightness and with intelligence for universal operation.
For incandescent lamps, 127 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Compatible with control covers 6543-xxx-10x/6066-xx-10x/6810-xxx-10x/6800-xxx-10x(M)6455/6813-10x.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 127 V~
Rated frequency: 60 Hz

6590 U-127-500	6590-0-0156	1/10

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) Not for use with power boosters.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500	6590-0-0171	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6550 U-101-500	6550-0-0042	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] [2] [3] **with neon** Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
20 platinum	**6543-20-102**	6599-0-2820	1/10
21 bronze	**6543-21-102**	6599-0-2821	1/10
22G ivory	**6543-22G-102**	6599-0-2822	1/10
24 studio white	**6543-24-102**	6599-0-2823	1/10
260 palladium	**6543-260-102**	6599-0-2869	1/10
266 titanium	**6543-266-102**	6599-0-2870	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

	IR-Control Cover **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
20 platinum	**6066-20-102**	6020-0-1316	10
21 bronze	**6066-21-102**	6020-0-1317	1/10
22G ivory	**6066-22G-102**	6020-0-1318	1/10
24 studio white	**6066-24-102-500**	6020-0-1371	1
260 palladium	**6066-260-102**	6020-0-1365	1/10
266 titanium	**6066-266-102**	6020-0-1366	1/10

	Busch Memory 2gang Dimmer [1] Mounting Type: Flush-mounted For switching and dimming 2 independent devices. With trailing edge control. 2gang 1way For insert in 2w switching. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers. Compatible with control covers 6545-xxx. without cover, without cover plate Angegebene Nennleistung, bezieht sich jeweils auf einen Ausgang. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Dimm-Kanäle, unabhängig Rated power: 40 - 315 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6565 U-500	6565-0-0057	1/10
Mounting boxes:	min. 16 mm deep flush 1gang		

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

	Control cover [1] **with neon** Mounting Type: Flush-mounted Combinable with Busch Memory 2gang Dimmer 6565 U.		
20 platinum	**6545-20**	6599-0-2890	1/10
21 bronze	**6545-21**	6599-0-2891	1/10
22G ivory	**6545-22G**	6599-0-2892	1/10
24 studio white	**6545-24**	6599-0-2893	1/10
260 palladium	**6545-260**	6599-0-2899	1/10
266 titanium	**6545-266**	6599-0-2900	1/10

1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Busch-Watchdog MOS-Fet Insert [1] [2] [3] Mounting Type: Flush-mounted 2-wire connection. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813(/11)-xx(-101). Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 60 - 420 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6804 U-101-500	6800-0-2219	1/10
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
Cover frames:	1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
neon indicator:	not applicable		

1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

	Busch Watchdog Relay Mechanism Mounting Type: Flush-mounted 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813(/11)-xx(-101). Rated voltage: 230 V, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1 Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated power: 700 W/VA Temperature range (Device): 0 °C to 55 °C British Standard EN 60669-2-1		
	6812 U-101-500	6800-0-2160	1/10
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
Cover frames:	1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500 6401-0-0049 1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

Busch Universal Relay Switch Insert [1]
max. 1270 W/VA 10 AX
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 127 V~
Rated frequency: 60 Hz
Outputs: 1 Normally open contact, potential-bound
Rated current: 10 AX
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-127-500 6401-0-0050 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Product	Article-No.	Order-No.	Pack Qty

Insert for combination with flush-mounted inserts [1]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations.
For combination with relay insert 6401 U-102 and 6402 U.
For combination with MOS-Fet insert 6804 U-101.
For combination with Dimmer insert 6593 U and 6550 U-101.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Control/Signal outputs: 1, electronic output, potential-bound
Temperature range (Device): 0 °C to 35 °C

6805 U-500 6800-0-2161 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Not combinable with relay switch insert 6812 U-101.

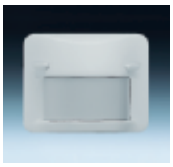
Busch Universal 2gang 1way Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For operation mode 2gang 1way: 2 separate outputs.
For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover 6430-xxx-10x and 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6402 U-500 6401-0-0051 1/10

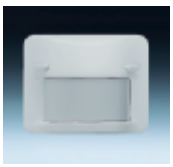
Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

Product	Article-No.	Order-No.	Pack Qty
	**Busch Watchdog 180 flush mounted comfort sensor II** [1] **with select-lens** Mounting Type: Flush-mounted For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Detection with animal access With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surveillance density: 18 sectors with 72 switching segments. Detection range: frontal: 12 m, lateral: 8 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
20 platinum	**6800-20-104**	6800-0-2068	1
21 bronze	**6800-21-104**	6800-0-2069	1
22G ivory	**6800-22G-104**	6800-0-2070	1
24 studio white	**6800-24-104-500**	6800-0-2168	1
260 palladium	**6800-260-104**	6800-0-2118	1/10
266 titanium	**6800-266-104**	6800-0-2120	1/10

1) Please order the respective flush mounted insert separately.

	**Busch Watchdog 180 flush mounted comfort sensor II** [1] [2] **with multi-lens** Mounting Type: Flush-mounted For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
20 platinum	**6800-20-104M**	6800-0-2084	1
21 bronze	**6800-21-104M**	6800-0-2085	1
22G ivory	**6800-22G-104M**	6800-0-2086	1
24 studio white	**6800-24-104M-500**	6800-0-2169	1
260 palladium	**6800-260-104M**	6800-0-2119	1/10
266 titanium	**6800-266-104M**	6800-0-2121	1/10

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Time Switch Mechanism 16 A [1] [2] **DP, break contact for staircases, exterior lighting, fans, etc.** Mounting Type: Flush-mounted For time-programmed switching of electrical consumers. For staircases, exterior lighting, fans, etc. Running time: 15 min Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos φ 0.25		
	Run time 15 min.		
	1070 U	1043-0-0025	1/10
	Run time 120 min.		
	1071 U	1043-0-0124	10

1) For screw-fixing only
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

	Cover Plate with rotary control, with marking Mounting Type: Flush-mounted For Busch Timer insert 1070 U. Running time: 15 min		
20 platinum	**1770-20-101**	1753-0-6075	10
21 bronze	**1770-21-101**	1753-0-6083	10
22G ivory	**1770-22G-101**	1710-0-2397	10
23G gold	**1770-23G-101**	1710-0-3265	
24 studio white	**1770-24-101**	1753-0-6091	10

	Cover Plate with rotary control, with marking Mounting Type: Flush-mounted For Busch Timer insert 1071 U. Running time: 120 min		
20 platinum	**1771-20-101**	1753-0-6224	10
21 bronze	**1771-21-101**	1753-0-6232	10
22G ivory	**1771-22G-101**	1710-0-2405	10
23G gold	**1771-23G-101**	1710-0-3267	
24 studio white	**1771-24-101**	1753-0-6240	10

	Cover Plate Mounting Type: Flush-mounted For Busch Timer® III insert 6454 U-101. For Busch Timer® control cover 6412-101.		
20 platinum	**1772-20-101**	1710-0-3479	10
21 bronze	**1772-21-101**	1710-0-3480	10
22G ivory	**1772-22G-101**	1710-0-3473	
24 studio white	**1772-24-101**	1710-0-3481	10
260 palladium	**1772-260-101**	1710-0-3477	10
266 titanium	**1772-266-101**	1710-0-3478	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Busch short-time timer insert [1]
Countdown timer
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
With control cover, without cover plate.
Minimum timer time: 1 second.
Maximum timer time: 9:59:59 hours.
Power reserve: 12 hr.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1 Normally open contact
Rated current: 10 A, cos φ 0.5
Rated power: 2300 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6465 U	6410-0-0278	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Cover Plate
Mounting Type: Flush-mounted
For Busch short-time timer insert 6465 U.

20	platinum	**1773-20**	1724-0-2158	10
21	bronze	**1773-21**	1724-0-2166	10
22G	ivory	**1773-22G**	1724-0-2521	10
24	studio white	**1773-24**	1724-0-2174	10
260	palladium	**1773-260**	1724-0-2790	10
266	titanium	**1773-266**	1724-0-2795	10

Cover Plate
Mounting Type: Flush-mounted
For Busch short-time timer insert 6465 U.
Only Start/Stop button can be operated.

20	platinum	**1773/10-20**	1724-0-2596	10
21	bronze	**1773/10-21**	1724-0-2604	10
22G	ivory	**1773/10-22G**	1724-0-2695	10
24	studio white	**1773/10-24**	1724-0-2612	10
260	palladium	**1773/10-260**	1724-0-2809	10
266	titanium	**1773/10-266**	1724-0-2810	10

Product	Article-No.	Order-No.	Pack Qty

Cover Plate
Mounting Type: Flush-mounted
For Memory control cover 6457.

20	platinum	**1773 JA-20**	1724-0-2331	10
21	bronze	**1773 JA-21**	1724-0-2349	10
22G	ivory	**1773 JA-22G**	1724-0-2539	10
24	studio white	**1773 JA-24**	1724-0-2356	10
260	palladium	**1773 JA-260**	1724-0-2789	10
266	titanium	**1773 JA-266**	1724-0-2794	10

Busch Blind Control Switch Insert [1] [2] [3]
Mounting Type: Flush-mounted
With two 230 V multi-way input terminals (Up/Down) for group control.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6411 U-500	6410-0-0345	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Suitable for multi-phase operation.
2) Compatible with the types 6410 U, 6410 U-10x.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Blind Control Switch Insert [1] [2] [3]
Mounting Type: Flush-mounted
With two 127 V multi-way input terminals (Up/Down) for group control.
Running time: 3 min
Rated voltage: 127 V~, +10 % / -10 %
Rated frequency: 60 Hz
Outputs: 2 Normally open contact
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6411 U-127-500	6410-0-0350	1/10

1) Suitable for multi-phase operation.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Compatible with types 6410 U, 6410 U-10x.

Busch Blind Control Switch Insert [1] [2] [3]
Mounting Type: Flush-mounted
With two 230 V multi-way input terminals (Up/Down) for group control.
Ability to connect for brightness sensor 6414 and burglar alarm sensor 6413.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6411 U/S-500	6410-0-0346	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Suitable for multi-phase operation.
2) Compatible with the types 6410 U, 6410 U-10x.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] **with neon** Mounting Type: Flush-mounted For Busch Blind Control® II 6411 U, 6411 U/S and Busch Universal 2gang 1way insert 6402 U.		
20 platinum	**6430-20-101**	6430-0-0256	
21 bronze	**6430-21-101**	6430-0-0257	
22G ivory	**6430-22G-101**	6430-0-0258	
24 studio white	**6430-24-101**	6430-0-0259	
260 palladium	**6430-260-101**	6430-0-0279	
266 titanium	**6430-266-101**	6430-0-0280	

1) Replacement neon lamp 3857.

	IR-Control Cover with marking, illuminated Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.		
20 platinum	**6066-20-102**	6020-0-1316	10
21 bronze	**6066-21-102**	6020-0-1317	1/10
22G ivory	**6066-22G-102**	6020-0-1318	1/10
24 studio white	**6066-24-102-500**	6020-0-1371	1
260 palladium	**6066-260-102**	6020-0-1365	1/10
266 titanium	**6066-266-102**	6020-0-1366	1/10

	Cover Plate Mounting Type: Flush-mounted For Busch Timer® III insert 6454 U-101. For Busch Timer® control cover 6412-101.		
20 platinum	**1772-20-101**	1710-0-3479	10
21 bronze	**1772-21-101**	1710-0-3480	10
22G ivory	**1772-22G-101**	1710-0-3473	
24 studio white	**1772-24-101**	1710-0-3481	10
260 palladium	**1772-260-101**	1710-0-3477	10
266 titanium	**1772-266-101**	1710-0-3478	10

Product	Article-No.	Order-No.	Pack Qty
	IR Remote Control [1] [2] Network-independent infrared remote control. For infrared receiver (60xx). for Busch Watchdog Presence tech (6813/11), Forr EIB-sensors with Infrarot Interface (632x-xxx, 6129-xx und 6135-xxx). For switching/dimming up to 10 consumers in 2 groups (1-5 / 6-10). Programming and selection of 2 MEMO memories possible per group. Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery. Range: 15 m Rated voltage: 6 V-		
	6010-25-500	6020-0-1133	1

1) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
2) Except 6321- and 6326–101.

	IR Wall-Mounted Transmitter [1] [2] [3] Mounting Type: Surface-mounted Network-independent infrared remote control. For infrared receiver and EIB flush-mounted infrared interfaces 6129-xx, 6135-xx and 632x-xxx (choice of 2 Memo functions per address group and ALL OFF. The IR mobile remote control is needed to program the memories M1 and M2.). Address group switch-over (1-5/6-10) Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) Range: 15 m		
20 platinum	**6020-20**	6020-0-0036	10/10
21 bronze	**6020-21**	6020-0-0044	10/10
24 studio white	**6020-24-500**	6020-0-1281	1
24G studio white	**6020-24G-500**	6020-0-1299	1

1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
2) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
3) Except 6321- and 6326–101.

	IR Wall-Mounted Transmitter [1] [2] **1-channel** Mounting Type: Surface-mounted Network-independent infrared remote control. For infrared reception and EIB flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.). Range: 15 m Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)		
20 platinum	**6021-20**	6020-0-0754	1
21 bronze	**6021-21**	6020-0-0762	1
24 studio white	**6021-24-500**	6020-0-1315	1
24G studio white	**6021-24G-500**	6020-0-1307	1

1) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
2) Except 6321- and 6326–101.

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert [1]
max. 1270 W/VA 10 AX
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 127 V~
Rated frequency: 60 Hz
Outputs: 1 Normally open contact, potential-bound
Rated current: 10 AX
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-127-500	6401-0-0050	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500	6401-0-0049	1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty

IR-Control Cover [1]
with marking, illuminated
Mounting Type: Flush-mounted
For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.

20	platinum	**6067-20-102**	6020-0-1324	10
21	bronze	**6067-21-102**	6020-0-1325	10
22G	ivory	**6067-22G-102**	6020-0-1326	10
24	studio white	**6067-24-102-500**	6020-0-1373	1
260	palladium	**6067-260-102**	6020-0-1369	1/10
266	titanium	**6067-266-102**	6020-0-1370	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable

IR Receiver, 4-channel
4 x 350 VA
For switching 4 consumers
2 supplementary inputs via 127 V push switch (e.g. 2020 US), central disablement of all outputs possible, supplementary IR remote control is possible via IR flying receiver 6045 E-101
switching capacity: 4 x 690 W or 4 x 350 VA
temperature range: 0° C - 35° C
Rated voltage: 127 V-
Rated frequency: 60 Hz

6056 EB-127-500	6020-0-1352	1

IR receiver
4gang
For switching 4 consumers
Operation also possible via 2 conventional push buttons (2020 US/2021/6 US).
Central disablement of all outputs possible.
Additional IR remote control via IR flying receiver 6045 E-101 possible.
Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 4
Rated power: 1380 W
Rated power: 700 VA
Temperature range (Device): 0 °C to 35 °C

6056 EB-500	6020-0-1232	1

Further technical details
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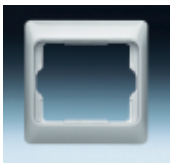
Product	Article-No.	Order-No.	Pack Qty
	**Cover Frame** Mounting Type: Flush-mounted 1gang		
20 platinum	**1721 BS-20**	1754-0-3880	10/100
21 bronze	**1721 BS-21**	1754-0-3898	10/100
22G ivory	**1721 BS-22G**	1754-0-4070	10/100
23G gold	**1721 BS-23G**	1754-0-3906	10/100
24G studio white	**1721 BS-24G**	1754-0-4071	100/100
260 palladium	**1721 BS-260**	1754-0-4188	10/100
266 titanium	**1721 BS-266**	1754-0-4191	10/100
	Cover Frame Mounting Type: Flush-mounted 2gang, horizontal to cover 2gang product combinations which are installed into a standard BS 2gang wall box. delivered together with 2 mounting clips for 2gang product combination		
20 platinum	**1722 BS-20**	1754-0-3922	10
21 bronze	**1722 BS-21**	1754-0-3930	10
22G ivory	**1722 BS-22G**	1754-0-4075	100
23G gold	**1722 BS-23G**	1754-0-3948	10
24G studio white	**1722 BS-24G**	1754-0-4076	10
260 palladium	**1722 BS-260**	1754-0-4189	10
266 titanium	**1722 BS-266**	1754-0-4192	10
	Cover Frame Mounting Type: Flush-mounted Dual Box for 2gang product combinations which are installed into a dual box.		
20 platinum	**1722 BSDB-20**	1754-0-4011	10
21 bronze	**1722 BSDB-21**	1754-0-4029	10
22G ivory	**1722 BSDB-22G**	1754-0-3963	
23G gold	**1722 BSDB-23G**	1754-0-4037	10
24G studio white	**1722 BSDB-24G**	1754-0-3971	
260 palladium	**1722 BSDB-260**	1754-0-4190	10
266 titanium	**1722 BSDB-266**	1754-0-4193	10

Product	Article-No.	Order-No.	Pack Qty

Get the comfort you desire. *alpha grid* can expand.

The *alpha grid* range combines maximum user comfort with functionality, also in the smallest spaces. Switches, fuses or signalling – the combinations are flexible. The range comprises more than 20 different, easily fitting modules, which can be changed easily to match changes in decor.

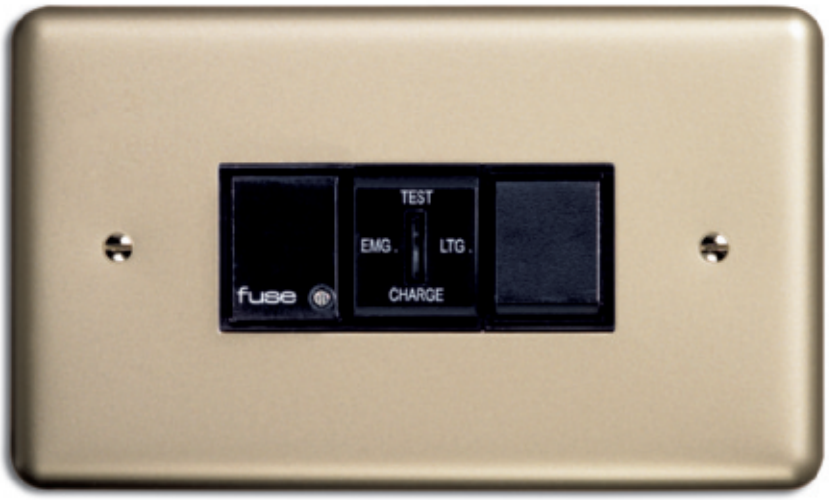
palladium

palladium

titanium

platinum

The range offers 8 different sizes of frames.



Cover frame 3gang with 13 A fuse connection unit
2 way key switch, 1 way switch 10 A.
colour: palladium.

Product	Article-No.	Order-No.	Pack Qty
	1W Switch **10 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8000 BLK	1012-0-2116	10
	2W Push Switch **10 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8001 BLK	1012-0-2117	10
	2W Push Switch **10 A** Mounting Type: Flush-mounted With bell symbol BSEN 60669 - 1 : 2000		
	A 8002 BLK	1413-0-1073	10
	2W Push Switch **10 A** Mounting Type: Flush-mounted with marking "Push" BSEN 60669 - 1 : 2000		
	A 8004 BLK	1413-0-1074	10
	1W Switch **20 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8020 BLK	1012-0-2118	10
	2W Push Switch **20 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8021 BLK	1012-0-2119	10
	Intermediate Switch **20 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8022 BLK	1012-0-2120	10

Product	Article-No.	Order-No.	Pack Qty
	1W Switch **20 A** Mounting Type: Flush-mounted DP BSEN 60669 - 1 : 2000		
	A 8023 BLK	1012-0-2121	10
	2W Push Switch **20 A** Mounting Type: Flush-mounted centre off BSEN 60669 - 1 : 2000		
	A 8024 BLK	1012-0-2122	10
	1W Switch **20 A** Mounting Type: Flush-mounted DP With neon lamp. BSEN 60669 - 1 : 2000		
	A 8025 BLK	1012-0-2123	10/100
	2W Key Switch **20 A** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8026 BLK	1012-0-2124	10
	2W Key Switch **20 A** Mounting Type: Flush-mounted with marking "EMG.LTG." BSEN 60669 - 1 : 2000		
	A 8026 EL BLK	1012-0-2125	10
	Key Switch **20 A** Mounting Type: Flush-mounted DP BSEN 60669 - 1 : 2000		
	A 8027 BLK	1012-0-2126	10
	Key Switch **20 A** Mounting Type: Flush-mounted DP with marking "EMG.LTG." BSEN 60669 - 1 : 2000		
	A 8027 EL BLK	1012-0-2127	10
	Replacement key [1] Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8099 KEY	1710-0-3633	

1) picture deviating

Further technical details
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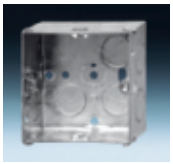
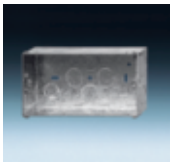
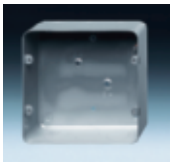
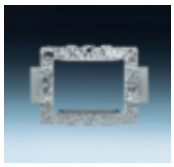
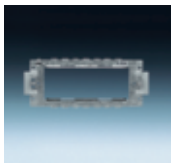
Product	Article-No.	Order-No.	Pack Qty
	Push Switch **20 A** Mounting Type: Flush-mounted DP BSEN 60669 - 1 : 2000		
	A 8030 BLK	1413-0-1075	10
	1W Switch **16 A** Mounting Type: Flush-mounted SP, BSEN 60669 - 1 : 2000		
	A 8032 BLK	1012-0-2128	10
	Push Switch **20 A** Mounting Type: Flush-mounted centre off bias BSEN 60669 - 1 : 2000		
	A 8033 BLK	1012-0-2129	10
	Blanking plate Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8060 BLK	1710-0-3632	20
	Neon Indicator **red** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8061 RED	1511-0-0113	10
	Neon Indicator **green** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8063 GRN	1511-0-0114	10
	13A Connection Unit Mounting Type: Flush-mounted fused grid module BSEN 60669 - 1 : 2000		
	A 8072 BLK	1001-0-0047	10

Product	Article-No.	Order-No.	Pack Qty
	13A Connection Unit Mounting Type: Flush-mounted screw retention fused grid module BSEN 60669 - 1 : 2000		
	A 8074 BLK	1001-0-0048	10
	Cover Frame **1gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8220 PLM**	1754-0-4276	1/10
palladium	**A 8220 PAL**	1754-0-4277	1/10
titanium	**A 8220 TIN**	1754-0-4278	1/10
	Cover Frame **2gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8221 PLM**	1754-0-4279	1/10
palladium	**A 8221 PAL**	1754-0-4280	1/10
titanium	**A 8221 TIN**	1754-0-4281	1/10
	Cover Frame **3gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8222 PLM**	1754-0-4282	10
palladium	**A 8222 PAL**	1754-0-4283	10
titanium	**A 8222 TIN**	1754-0-4284	10
	Cover Frame **4gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8223 PLM**	1754-0-4285	10
palladium	**A 8223 PAL**	1754-0-4286	10
titanium	**A 8223 TIN**	1754-0-4287	10
	Cover Frame **6gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8224 PLM**	1754-0-4288	1
palladium	**A 8224 PAL**	1754-0-4289	1
titanium	**A 8224 TIN**	1754-0-4290	1

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame **8gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8225 PLM**	1754-0-4291	1
palladium	**A 8225 PAL**	1754-0-4292	1
titanium	**A 8225 TIN**	1754-0-4293	1
	Cover Frame **9gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8226 PLM**	1754-0-4294	1
palladium	**A 8226 PAL**	1754-0-4295	1
titanium	**A 8226 TIN**	1754-0-4296	1
	Cover Frame **12gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
platinum	**A 8227 PLM**	1754-0-4297	1
palladium	**A 8227 PAL**	1754-0-4298	1
titanium	**A 8227 TIN**	1754-0-4299	1
	**Wall Box** **1gang & 2gang** Mounting Type: Flush-mounted with knockouts BS 4662 : 1994		
	A 8368 BOX	1799-0-0891	10
	**Wall Box** **3gang & 4gang** Mounting Type: Flush-mounted with knockouts BS 4662 : 1994		
	A 8367 BOX	1799-0-0892	10
	**Wall Box** **6gang & 8gang** Mounting Type: Flush-mounted with knockouts BS 5733 : 1995		
	A 8342 BOX	1799-0-0893	10
	Wall Box **9gang & 12gang** Mounting Type: Flush-mounted with knockouts BS 5733 : 1995		
	A 8343 BOX	1799-0-0894	1/10

Product	Article-No.	Order-No.	Pack Qty
	**Supporting Frame** **1gang & 2gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8100 GRD	1710-0-3634	10/100
	**Supporting Frame** **3gang & 4gang** Mounting Type: Flush-mounted BSEN 60669 - 1 : 2000		
	A 8101 GRD	1710-0-3635	10/100

Further technical details
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In the mood for a new, more attractive range.

Different ranges – same inserts. This basic principle of the Busch-Jaeger switch ranges ensures that the choices remain clear despite the many shapes and colours on offer - you simply have to replace the covers in order to switch to a different range. Exception: impuls switch range.

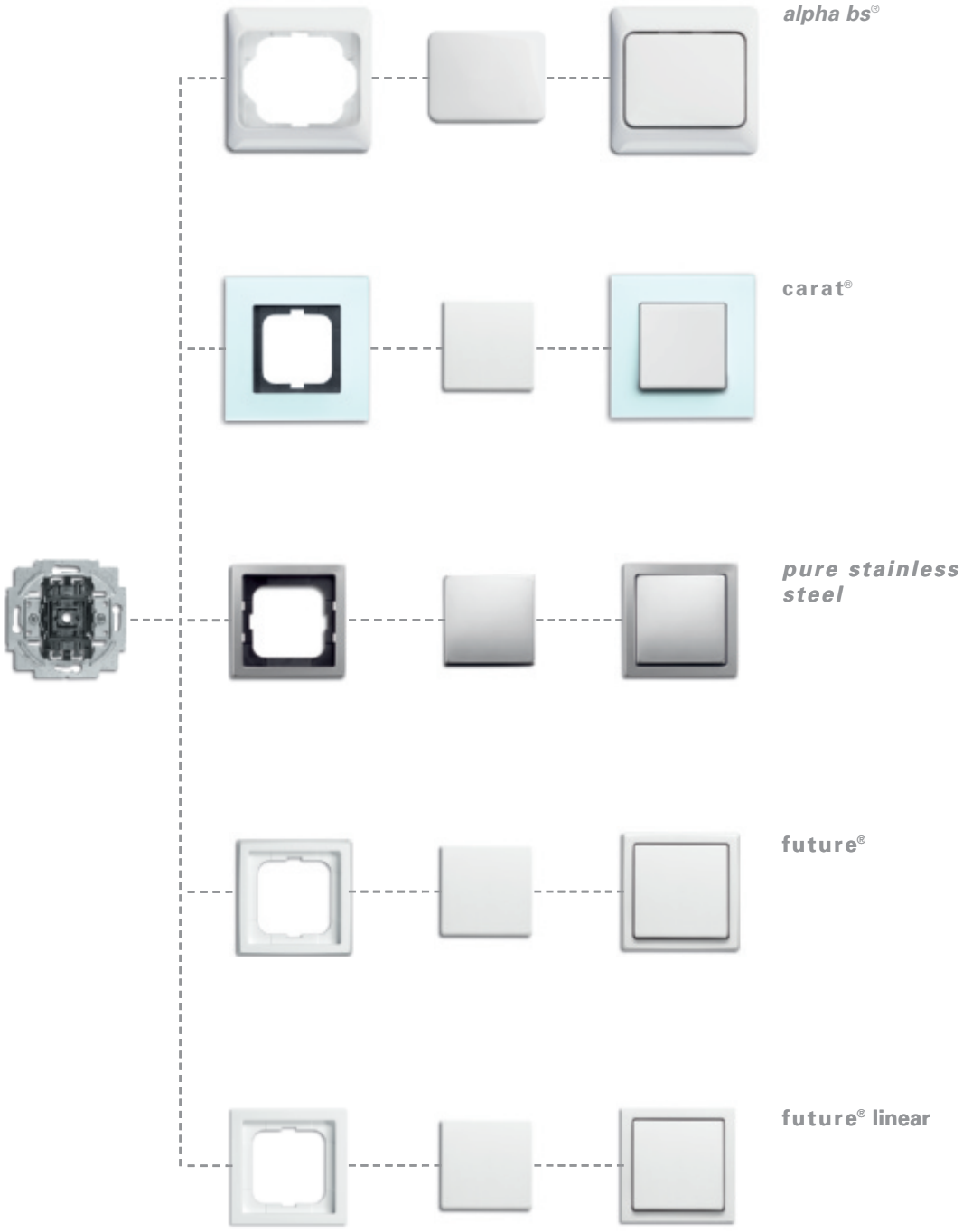
Busch Switch dimmer

Busch Comfort switch

Comfort Timer
Control Element

Busch-AudioWorld®
Intercom amplifier insert

Flush Mounted Inserts



Devices that match each other.

Our concept for wiring accessories is a complete system, which consists of perfectly matching components. It is the ideal solution for varied applications.

Inserts can be matched with different control covers
For example, the touch dimmer control cover is suitable for relay inserts, dimmers or memory touch dimmers. The IR receiver control cover is suitable for dimmer or blind control inserts while the Busch-Watchdog control cover can be used for relay, Mosfet or dimmer inserts.This modular system allows the implementation of many different applications.

Modular design of electronic inserts and control covers.

	FM Insert	Switching/Dimming	Control Cover					Unit					Timer Control Cover			
			Touch dimmer control cover 6543-xxx-10x	Control cover for Busch 2gang Dimmer 6545-xxx	Busch Blind Control® II Control Cover 6430-xxx-xxx	Busch Remote Control® IR Control Cover 6066-xxx-xxx	Busch Remote Control® IR Control Cover 6067-xxx-xxx	Busch-Watchdog Sensor Standard 6810-21x	Busch-Watchdog Sensor Comfort (Multi lens) 6800-xxx-104(M)	Busch-Watchdog Sensor All Weather 44® with combination lens 6800-3x-102C	Busch-Watchdog Presence tech 6813-xxx-101	Busch-Watchdog Presence tech 6913/11-xxx	Memory control cover 6457	Standard Timer control cover 6456	Comfort Timer operating element 6455	
Switching	Universal relay insert 6401 U-102	2300 W/VA all loads 10 AX	X (Current surge switch)				X (Current surge switch)	X	X	X (for outside, use only 6401 U-102, frost-proof to –25 °C)	X 1.)	X 1.) (optional semi-automatic/ fully automatic operation)			X Timer with maintained contact (for switching lights, pumps, etc.)	Switching
	Universal 2gang insert 6402 U	2300 W/VA all loads 10 AX	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)		X (Electronic series switches, 2 NO contacts)	X (Electronic series switch, remote control, 2 NO contacts)	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X 1.) (Heating, air conditioning, ventilation, output 2 with switch-on/ switch off delay in relation to output 1)	X 1.) (for controlling 2 independent strip lamps)				
	Relay insert 6812 U-101	700 W/VA all loads 3 A						X	X		X 1.)	X 1.) (fully automatic operation only)				
	MOSFET insert 6804 U-101	60–240 W/VA, 230-V incandescent and halogen lamps, l.v. halogen lamps with conv. or Busch electronic transformer						X	X		X 1.)	X 1.) (optionally semi-automatic/ fully automatic operation)				
	Extension insert 6805 U	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U and 6550 U-101						X	X		X 1.)	X 1.)				
Dimming	Universal central dimmer insert 6593 U	60–420 W/VA, expandable using 6594 U on up to 735 W/ VA 230-V incandescent and halogen-lamps, l.v. halogen lamps with conv. or Busch electronic transformer	X			X		X	X (Soft OFF mode: dim down/switch off within the final minute/switch off warning)		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable bright-ness values)	Dimming
	Memory touch-type controller 6550 U-101	EVG =0/1-10V, LEDs with interface units, 700 W/VA, higher contact load possible with ext. relay 50-mA control current	X			X		X	X		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable bright-ness values)	
	Busch 2gang Dimmer 6565 U	2 x 40-315 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with electronic transformers		X												
	Memory touch dimmer 6560 U-101	20–500 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with wound transformer	X													
Blind	Blind Basic Insert 6418 U	690 VA, 3A with cos phi 0.5			X								X (Memory timer with 3-minute contact for lowering and raising blinds)	(Timer with 3-minute contact for lowering and raising blinds)		Blind
	Blind control II insert 6411 U-101 / 6411 U/S-101	690 VA, 3A with cos phi 0.5			X	X									X (Timer with 3-minute contact for lowering and raising blinds)	

X .....combination possible

1.) Optional IR remote control with hand-held transmitter 6010-25

Purpose	V	mA	W	Item no. Order no.	Item no. Order no.	Item no. Order no.	Item no. Order no.	Item no. Order no.	¤	PG
Suitable for inserts UP-E **2000/ . . . 2020/ . . .** **2001/ . . . 2021/ . . .** **2661/ . . . 2061/ . . .**										
						Plug-in neon lamps	**Plug-in incan-descent lamps**	**Neon-/Incandescent lamps with thread E-10-G**		
1. Universal lighting Orientation light	230	0,4				**8350**[1] 1784-0-0545				01
2. 2gang-1way	230	0,5				**8338-1** 1784-0-0057				01
3. high light intensity for Indication Lamp	230	1,0				**8352**[1] 1784-0-0560				01
4. illuminable/ Printable Switch Rocker	230	2,0				**8353**[1] 1784-0-0578				01
5. for switch and push switch	24	22					**8337-1** 1784-0-0032			01
6. for switch and push switch	12	40					**8345-1** 1784-0-0289			01
7. illuminable/ Printable Switch Rocker	8	40					**8344-1** 1784-0-0164			01
8. for indication lamp	230	1,3						**8302**[4] 1780-0-0022		01
9. high light intesity for Indication Lamp	230		3,0					**8340**[5] 1784-0-0222		01
10. for indication lamp	24		2,0					**8343**[5] 1784-0-0263		01
11. for indication lamp	12		1,5					**8342**[5] 1784-0-0255		01
12. for indication lamp	6		1,2					**8341**[5] 1784-0-0248		01
13. Lamp turning aid for E-10-Llamps								**8509** 0401-0-0018		09
Replacement neon lamps, can be replaced from the front of the switch insert, colour coded				**Neon lamps (Spare part)**	**Neon lamps (Spare part)**	**Plug-in neon lamps**	**Neon lamp for dimmer (spare part)**	**Plug-in neon lamp for replacement**		
14. Universal lighting red* for 8350		0,4						**8360** 1784-0-0552		01
15. for indication lamp/impuls switch yellow* for 8352		1,0						**8362**[2] 1784-0-0586		01
16. for illuminable rockers/ impuls switch white* for 8353		2,0						**8363**[3] 1784-0-0594		01
17. impuls control switch 2001/2 UKGL, 2001/6 UKGL		0,8				**8305** 1784-0-0701				01
18. impuls low voltage push button 2021/6 UNV	24	22						**8365**[5] 1784-0-0610		01
19. impuls low voltage push button 2021/6 UNV	12	40						**8366**[5] 1784-0-0636		01
20. impuls low voltage push button 2021/6 UNV	8	40						**8367**[5] 1784-0-0651		01
21. for dUP-Dimmer except impuls	230	0,8					**3855** 6599-0-0518			01
22. for UP-Drotary dimmer impuls only	230	0,8					**3856** 6599-0-2274			01
23. for UP-Ttouch dimmer and for Busch Blind Control II	230	0,8		**3857** 6599-0-2282						01
24. for Busch Blind Control II	230	0,8			**3858** 6599-0-2316					01

[1]) Exchangeable plug-in neon lamps.
[2]) for impuls range alpine white.
[3]) for impuls range champagne metallic, cobalt blue, brilliant black, light grey.
[4]) Neon lamp.
[5]) Incandescent lamp.
*) Fixing plate colour of lighting device.

Product	Article-No.	Order-No.	Pack Qty
	Rocker Switch Mechanism [1] Mounting Type: Flush-mounted Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1 [2]		
	1gang 2way		
	2000/6 US-506	1012-0-1143	10/100
	1gang 2way DP [3]		
	2000/6/2 US	1012-0-0954	10
	2gang 1way [4]		
	2000/5 US-500	1012-0-1150	10/100
	2gang 2way [3]		
	2000/6/6 US-500	1011-0-0493	10/100
	1gang intermediate [2]		
	2000/7 US-506	1012-0-1168	10/100
	1gang 1way DP [2]		
	2000/2 US	1012-0-2034	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
3) With screw terminals. Non-illuminable.
4) Illuminable using lamp 8338-1.

Product	Article-No.	Order-No.	Pack Qty
	Rocker Switch Mechanism [1] [2] [3] **DP, 1gang 1way** Mounting Type: Flush-mounted Rated voltage: 250 V~ Rated current: 16 AX IEC 60669-1		
	2000/2 US-101	1012-0-2042	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
3) Also for switching SCHUKO® socket outlets.

Product	Article-No.	Order-No.	Pack Qty
	Rocker Switch Mechanism [1] [2] **3-pole, 1gang 1way switch** Mounting Type: Flush-mounted Rated voltage: 400 V~ Rated current: 16 AX IEC 60669-1		
	2000/3 US	1011-0-0816	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) With screw terminals. Non-illuminable.

Product	Article-No.	Order-No.	Pack Qty
	Rocker Switch mechanism insert [1] Mounting Type: Flush-mounted With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1 [2]		
	1gang 2way		
	2000/6 USGL	1012-0-1127	10/100
	2gang 1way [3]		
	2000/5 USGL	1012-0-1135	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) Illuminable using lamp 8338-1.

Product	Article-No.	Order-No.	Pack Qty
	Rocker Switch Mechanism, control [1] [2] [3] Mounting Type: Flush-mounted With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way with N-terminal		
	2000/6 USK	1022-0-0474	10/100
	1gang 1way, DP		
	2000/2 UK	1022-0-0656	10

1) With 1 mA neon lamp.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Illuminable by inserting lamp 8360, 8362, 8363, 8365, 8366 and 8367.

Product	Article-No.	Order-No.	Pack Qty
	Push Switch Mechanism [1] [2] **SP, with normally open contact (operating current)** Mounting Type: Flush-mounted With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC 60669-1		
	1gang 1way		
	2020 US-500	1413-0-0574	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Product	Article-No.	Order-No.	Pack Qty
	Push Switch Mechanism [1] [2] **SP, with normally open contact (operating current)** Mounting Type: Flush-mounted With 2 independent signalling contacts. Rated voltage: 250 V~ Inputs: 1 Outputs: 1 Rated current: 10 A IEC 60669-1		
	1gang 1way		
	2020 US-201	1413-0-0483	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Product	Article-No.	Order-No.	Pack Qty
	Push Switch Mechanism [1] [2] [3] **SP, with normally open contact (operating current)** Mounting Type: Flush-mounted With illumination according to German Standard workplace regulations. With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC 60669-1		
	1gang 1way		
	2020 USGL	1413-0-0533	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) For relay and touch dimmer applications.

Product	Article-No.	Order-No.	Pack Qty
	Push Switch Mechanism [1] [2] **SP, 2gang 1way** Mounting Type: Flush-mounted With one input terminal and 2 actuating covers. Rated voltage: 250 V~ Inputs: 1 Outputs: 2 Normally open contact Rated current: 10 A IEC 60669-1		
	2020 US-205	1413-0-0491	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable using lamp 8338-1.

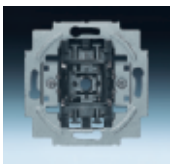
Inserts
for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty

Push Switch Mechanism [1] [2]
2 x SP, 2x normally open contact
Mounting Type: Flush-mounted
2 normally open contacts.
Rated voltage: 250 V~
Inputs: 2
Outputs: 2 Normally open contact
Rated current: 10 A
IEC 60669-1

	2020 US-205-101	1413-0-0509	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable using lamp 8338-1.



Push Switch Mechanism [1] [2]
SP, 1gang 2way
Mounting Type: Flush-mounted
Can be wired for normally open contacts (stand-by current) or normally closed contacts (operating current).
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

	2020 US-206	1413-0-0517	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Push Switch Mechanism
SP with normally open contact
Mounting Type: Flush-mounted
For installation in flush-mounted boxes of 43 mm diameter or SM box 1706-xx.
Clip-on mounting.
Rated voltage: 42 V~
Rated current: 0.5 A

	2031 UP	1413-0-0806	10/100

Card-Switch 10 A [1] [2]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
Illuminable.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

	2025 U	1012-0-1713	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Pull switch [1]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
Mit 2 m Zugschnur, rotem Griff und roter Kalotte.
Rated voltage: 250 V~
Rated current: 10 A

	2020/01 US	1413-0-1077	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Pull switch [1]
SP, break contact
Mounting Type: Flush-mounted
Mit 2 m Zugschnur, rotem Griff und roter Kalotte.
Rated voltage: 250 V~
Rated current: 10 A

	2020/10 US	1413-0-1076	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Blind switch insert [1] [2]
Mounting Type: Flush-mounted
With block against simultaneous switching.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

SP, switch

	2000/4 US	1012-0-1309	10/100

Blind switch

	2020/4 US	1413-0-0590	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) These blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

Blind switch insert [1] [2] [3]
DP
Mounting Type: Flush-mounted
With rotary knob/switch and push switch.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1, British Standard EN 60669-1

2 P + N + E

	2712 U	1101-0-0534	10

1 P + N + E

	2713 U	1101-0-0542	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Product	Article-No.	Order-No.	Pack Qty

Blind switch insert [1] [2] [3]
DP
Mounting Type: Flush-mounted
With rotary knob/push button.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

2 P + N + E			
	2722 U	1101-0-0559	10
1 P + N + E			
	2723 U	1101-0-0567	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Blind Switch/Push Switch [1] [2] [3] [4] [5]
DP
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/switch and push switch.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

	2712 USL-101	1101-0-0872	10
1 P + N + E			
	2713 USL-101	1101-0-0880	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for activating direct voltage drives.

20 A Double Pole Switch
DP
Mounting Type: Flush-mounted
screw-type terminals
Rated voltage: 250 V~
Rated current: 20 A
IEC 60669-1

	1020/2 USK	1020-0-0031	10/100
1gang 1way, normally open contact			
	1020/2 US	1020-0-0023	10/100

Blind switch insert [1] [2] [3] [4] [5]
DP
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/push button.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 A
British Standard EN 60669-1, IEC60669-1

2 P + N + E			
	2722 USL-101	1101-0-0898	10
1 P + N + E			
	2723 USL-101	1101-0-0906	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for activating direct voltage drives.

Product	Article-No.	Order-No.	Pack Qty

Key Switch Insert [1] [2] [3]
SP, 1gang 1way switch
Mounting Type: Flush-mounted
For profile semi-cylindrical lock.
In switched-on and switched-off status the key can be pulled out in the central position, respectively.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

	2733 USL-101	1101-0-0914	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See profile semi-cylindrical lock.

Three-step rotary switch [1] [2]
SP
Mounting Type: Flush-mounted
With zero position.
Rated voltage: 250 V~
Rated current: 16 A

With zero position			
	2710 U	1101-0-0918	1/10
Without zero position			
	2710/1 U	1101-0-0919	1/10

1) Install only in conjunction with wall boxes ø 60 mm.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

Info light unit
Mounting Type: Flush-mounted
Size of information field 43 x 43 mm.
Lange Lebensdauer des Beleuchtungskörpers (LEDs).
Homogene Ausleuchtung des Infofeldes.
Rated voltage: 230 V~

	2062 U	1511-0-0115	1/10

Indication Lamp Mechanism for screwless terminal [1]
Mounting Type: Flush-mounted
Without cover.
Rated voltage: 250 V~

	2061 U	1511-0-0062	10

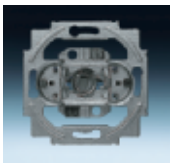
Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: 2061 U is illuminable with lamps 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
2661 U is illuminable with lamps 8302, 8340, 8342, 8343 and 8341.

1) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Product	Article-No.	Order-No.	Pack Qty



Indication Lamp Mechanism for screwless terminal [1] with E 10-thread
Mounting Type: Flush-mounted
Without cover.
Rated voltage: 250 V~

	2661 U	1511-0-0096	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: 2061 U is illuminable with lamps 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
2661 U is illuminable with lamps 8302, 8340, 8342, 8343 and 8341.

1) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.

Busch Wind and Sun blind switch [1] [2] [3] [4] [5] with automatic switching control
Mounting Type: Flush-mounted
For controlling blind or awning motors.
Adjustable light, wind and temperature value.
With internal temperature sensor.
Sun, wind and rain sensor can be connected externally.
With intermediate position for awnings and turning position for blinds.
Impulse duration: 30 sec to 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact, potential free
Rated current: 3 A, cos φ 0.6
Rated power: 690 VA
Temperature range (Device): -5 °C to 50 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6480 U-102	6410-0-0371	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) See sun sensor and wind sensor.
3) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
4) Measured value transmitters for precipitation can be purchased from Fa.Warema Renckhoff GmbH, 97828 Marktheidenfeld, Germany. Measured value transmitter, precipitation Art. No. 1002325, power pack Art. No. 629065, pipe assembly set Art. No. 1003255.
5) For use only in conjunction with Wind Sensor 6481-102.

Busch Blind Control Switch Insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off.
With two 230 V multi-way input terminals (Up/Down) for group control.
With operating mode switch for the following modes: normal, louvre, base station, position.
With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx.
Wind alarm, cleaning functions can be accommodated via extension input.
For control cover 6430-xx-xxx.
For IR-Control Cover 6066-xx-xxx.
For Comfort timer control cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

	6411 U-500-101	6410-0-0378	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack Qty

Busch Blind Control Switch Insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off.
With two 230 V multi-way input terminals (Up/Down) for group control.
Ability to connect for brightness sensor 6414 and burglar alarm sensor 6413.
With operating mode switch for the following modes: normal, louvre, base station, position, awning.
With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx.
Wind alarm, cleaning functions can be accommodated via extension input.
For control cover 6430-xx-xxx.
For IR-Control Cover 6066-xx-xxx.
For Comfort timer control cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Busch Blind Control Switch Insert [1] [2] [3]
Mounting Type: Flush-mounted
With two 127 V multi-way input terminals (Up/Down) for group control.
Running time: 3 min
Rated voltage: 127 V~, +10 % / -10 %
Rated frequency: 60 Hz
Outputs: 2 Normally open contact
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	6411 U-127-500	6410-0-0350	1/10

1) Suitable for multi-phase operation.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Compatible with types 6410 U, 6410 U-10x.

Basic blinds insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control cover 6457.
For Standard timer control cover 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

	6418 U-500	6410-0-0376	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

Product	Article-No.	Order-No.	Pack Qty

Busch short-time timer insert [1]
Countdown timer
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
With control cover, without cover plate.
Minimum timer time: 1 second.
Maximum timer time: 9:59:59 hours.
Power reserve: 12 hr.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1 Normally open contact
Rated current: 10 A, cos φ 0.5
Rated power: 2300 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

6465 U		6410-0-0278	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Time Switch Mechanism 16 A [1] [2]
DP, break contact for staircases, exterior lighting, fans, etc.
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
For staircases, exterior lighting, fans, etc.
Running time: 15 min
Rated voltage: 230 V~, +10 % / -10 %
Rated current: 16 A, cos φ 0.25

1070 U		1043-0-0025	1/10

1) For screw-fixing only
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Time Switch Mechanism 16 A [1] [2]
DP, break contact for staircases, exterior lighting, fans, etc.
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
For staircases, exterior lighting, fans, etc.
Running time: 120 min
Rated voltage: 230 V~, +10 % / -10 %
Rated current: 16 A, cos φ 0.25

1071 U		1043-0-0124	10

1) For screw-fixing only
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Rotary-Switch Dimmer [1]
Mounting Type: Flush-mounted
With rotary control, separate switch output, 2way On-Off switching and soft-catch, with leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
For insert in 2w switching.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated current: 6 A
Rated power: 60 - 400 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6517 U-101-500		6517-0-0018	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Memory 2gang Dimmer [1]
Mounting Type: Flush-mounted
For switching and dimming 2 independent devices.
With trailing edge control.
2gang 1way
For insert in 2w switching.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Compatible with control covers 6545-xxx.
without cover, without cover plate
Angegebene Nennleistung, bezieht sich jeweils auf einen Ausgang.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Dimm-Kanäle, unabhängig
Rated power: 40 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6565 U		6565-0-0056	1/10

Mounting boxes: min. 16 mm deep flush 1gang

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps and 230 V tungsten halogen lamps.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 60 - 600 W
IEC 60669-2-1, British Standard EN 60669-2-1

2250 U		6515-0-0704	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Provided with terminal for net disconnection devices.

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

2247 U-500	6512-0-0302	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, soft-catch and with leading edge control.
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer.
Without cover plate.
With adjustable minimum brightness.
Rated voltage: 127 V~
Rated frequency: 60 Hz
Rated power: 20 - 250 W
IEC 60669-2-1, British Standard EN 60669-2-1

2247 U-127	6512-0-0297	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

delivery form: insert (Dimmer cover plate and cover frame to be ordered separately)

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5] [6] [7]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6513 U-102-500	6513-0-0586	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4] [5] [6] [7]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 550 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6519 U	6519-0-0011	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1) 2) 3) 4) 5)]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Short-circuit protected, overload-protected.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 200 - 1000 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6520 U-500 6520-0-0227 1/10

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer Insert [1) 2) 3) 4) 5)]
Mounting Type: Flush-mounted
with soft-catch
with intelligence for universal operation
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Short-circuit protected, overload-protected.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
Operation via rotary-type remote control 6592 U possible, without cover plate
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6591 U-101-500 6513-0-0588 1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
2) In case of electronic transformers, 5 % transformer losses.
3) In the case of conventional transformers, take ~20% transformer loss into account.
4) Control covers 2115-xxx and 6540-xxx.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer extension, Insert [1)]
Mounting Type: Flush-mounted
for connection to 6591 U-101,
To be used with Busch Universal Master Dimmer® 6583.
with soft-catch
A maximum of 5 multi-way extensions can be connected to a 6591U-101,
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz

6592 U-500 6513-0-0590 1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Control covers 2115-xxx and 6540-xxx.

Product	Article-No.	Order-No.	Pack Qty

Busch Memory Touch-Dimmer [1) 2)]
Mounting Type: Flush-mounted
With light-level memory and leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Compatible with control covers 6543-xxx-10x.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Parallel operation of several transformers and/or incandescents possible.
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6560 U-101 6560-0-1205 1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Master Dimmer® Insert [1) 2) 3) 4)]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500 6590-0-0171 1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Capacity Booster [1]
Mounting Type: Flush-mounted
The control is effected by a Busch Universal Master Dimmer® 6593 U or Busch Universal Rotary Dimmer 6591U-101
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6594 U-500		6590-0-0172	1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Electronic-Potentiometer [1] [2] [3] [4]
Mounting Type: Flush-mounted
With rotary control.
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For LED control via control gears
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

2112 U-101-500		6599-0-2873	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) Use cover plates 2115 J-.../2115-.../6540-... .
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Making-current limiters have to be provided in case of too high making currents.

Product	Article-No.	Order-No.	Pack Qty

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6550 U-101-500		6550-0-0042	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Busch Comfort Switch insert [1] [2] [3]
Mounting Type: Flush-mounted
2-wire connection.
For Busch Comfort Switch sensors 6815-xxx.
Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 40 - 300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6815 U		6800-0-2270	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500	6401-0-0049	1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

Busch Universal Relay Switch Insert [1]
max. 1270 W/VA 10 AX
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 127 V~
Rated frequency: 60 Hz
Outputs: 1 Normally open contact, potential-bound
Rated current: 10 AX
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-127-500	6401-0-0050	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Product	Article-No.	Order-No.	Pack Qty

Busch Universal 2gang 1way Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For operation mode 2gang 1way: 2 separate outputs.
For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover 6430-xxx-10x and 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6402 U-500	6401-0-0051	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

Busch Watchdog Relay Mechanism
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Rated voltage: 230 V, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated power: 700 W/VA
Temperature range (Device): 0 °C to 55 °C
British Standard EN 60669-2-1

6812 U-101-500	6800-0-2160	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Busch-Watchdog MOS-Fet Insert [1] [2] [3]
Mounting Type: Flush-mounted
2-wire connection.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 60 - 420 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

	6804 U-101-500	6800-0-2219	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Insert for combination with flush-mounted inserts [1]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations.
For combination with relay insert 6401 U-102 and 6402 U.
For combination with MOS-Fet insert 6804 U-101.
For combination with Dimmer insert 6593 U and 6550 U-101.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Control/Signal outputs: 1, electronic output, potential-bound
Temperature range (Device): 0 °C to 35 °C

	6805 U-500	6800-0-2161	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

1) Not combinable with relay switch insert 6812 U-101.

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3] [4] [5]
With make contact and time control
Mounting Type: Flush-mounted
With switch ON/OFF and switch-over
Time program/permanent operation.
Time-controlled reduction of nightly room temperature.
With make contact and time control
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

	1080 U	1032-0-0473	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
5) Switching temperature difference ± 0.7 K.

Room Thermostat [1] [2] [3] [4] [5]
With make-contact time control and remote sensor.
Mounting Type: Flush-mounted
For underfloor heating.
With switch ON/OFF and switch-over
Time program/permanent operation.
Opening of the relay contact, when the set temperature is reached.
Sensor =NTC, 2 kiloohm at 25 degrees C.
Time-controlled reduction of nightly room temperature.
Remote sensor cable length: 4 m.
Adjusting range: 10 to 60 degrees C.
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

	1080 UF	1032-0-0481	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Switching temperature difference ± 0.7 K.
5) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3] [4]
with remote sensor
Mounting Type: Flush-mounted
For underfloor heating.
Switching temperature difference: +/- 0.35 K.
Opening of the relay contact, when the set temperature is reached.
Sensor =NTC, 2 kiloohm at 25 degrees C.
Remote sensor cable length: 4 m.
Adjusting range: 10 to 60 degrees C.
Connecting cable: 1mm² to 2.5 mm²
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

	1082 UF	1032-0-0482	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) Room thermostats with thermal feedback need a 3 wire connection/for automatic reduction of nightly room temperature, a 4 wire connection.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1094 U	1032-0-0483	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1095 U	1032-0-0484	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see ABB EIB Product overview.
3) Switching temperature difference: ± 0.4 K.

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3]
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 24 V~
Rated current: 1 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1096 U	1032-0-0485	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1] [2] [3]
with 1gang 2way contact
Mounting Type: Flush-mounted
with claw fixation
Rated voltage: 230 V~
Rated current: 5 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

	1097 U	1032-0-0486	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Universal
Data-Connection Boxes [1]
1gang
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0213	0230-0-0227	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Inserts
for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty

Universal data connection box with down-leading outlet [1]
2 gang internally parallel connected
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0214	0230-0-0235	10/100

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Universal data connection box with down-leading outlet [1]
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

	0215	0230-0-0243	10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Data-Connection Boxes, RJ45, cat.5e, shielded [1]
1gang
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

	0216	0230-0-0276	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack Qty

Data-Connection Boxes, RJ45, cat.5e, shielded [1]
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

	0217	0230-0-0284	10/100

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) Suitable for cover plate 1803-02-xxx.

Data-Connection Boxes, RJ45, cat 6a, shielded [1] [2]
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
For channel installation.
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 6 in accordance with DIN EN 50173-1:2003-06.
Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Cable entry freely selectable.
Up to 500 MHz on all pairs of wires.
Suitable for 10-Gigabit Ethernet.
For 8-pole plug RJ 45 only.
Without claw.
Installation depth: 38 mm

1gang 1way

	0218	0230-0-0376	1/10

1) Suitable for cover plate 1803-02-xxx.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

TAE connection box
6 F+N
Mounting Type: Flush-mounted
For 1 telephone or 1 transmission unit
(e.g. fax, answering machine, modem etc.)
6 pole for 1 subscriber line.
Design in accordance with DIN 41715.
Screw contacts
with claw

white	**0241/02**	0230-0-0385	10
alpine white	**0241/04**	0230-0-0386	10
black	**0241/05**	0230-0-0387	10

TAE connection box
2x6/6 NFF
Mounting Type: Flush-mounted
For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.)
2 x 6/6 pole for 2 subscriber lines.
Design in accordance with DIN 41715.
Screw contacts
with claw

white	**0242/02**	0230-0-0388	10
alpine white	**0242/04**	0230-0-0389	10
black	**0242/05**	0230-0-0390	10

Product	Article-No.	Order-No.	Pack Qty
	TAE connection box **3x6 NFN** Mounting Type: Flush-mounted For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.) 3 x 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	**0243/02**	0230-0-0391	10
alpine white	**0243/04**	0230-0-0392	10
black	**0243/05**	0230-0-0393	10
	Universal data connection box 8(6)/TAE 6F+N - connection box [1] **2 x 6-pole** Mounting Type: Flush-mounted with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (TAE): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	**UAE 8(6)TAE 6 F+N**	0230-0-0381	10/100

1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.

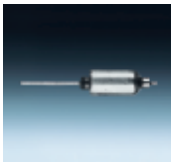
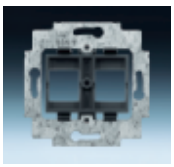
	Loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm². with claw		
anthracite	**0247**	0230-0-0382	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

	Stereo loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm². Pooling with coloured marking. with claw		
anthracite	**0248**	0230-0-0383	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

	Satellite co-axial outlets **2 connectors** Mounting Type: Flush-mounted Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	dead-end feeder		
	0230-101	0230-0-0250	10/100
	Loop through type		
	0231-101	0230-0-0268	10

Product	Article-No.	Order-No.	Pack Qty
	Satellite co-axial outlets Radio/TV/SAT Mounting Type: Flush-mounted broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	3gang dead-end feeder		
	0232-101	0230-0-0384	10/100
	**Terminating resistor** **75 Ohm**		
	0239	0230-0-0201	10/100
	**Supporting Frame [1]** **with green insert** Mounting Type: Flush-mounted For 2 modular jack inserts. For systems: AVAYA (AT&T / Lucent Technologies), Giga Speed, PowerSUM, MGS 300 BH-xx, M1 BH-xx, MPS 100E-xx With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114. Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm Without claw.		
	1810	1753-0-8048	10/100

1) For further information, please refer on the Internet.

	Supporting Frame [1] **with red insert** Mounting Type: Flush-mounted For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. For systems: AMP / tyco Electronics, BTR, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100

1) For further information, please refer on the Internet.

	Supporting Frame [1] **with black insert** Mounting Type: Flush-mounted For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, CombiNet, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

1) For further information, please refer on the Internet.

Inserts for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty
	Supporting Frame [1] **with blue insert** Mounting Type: Flush-mounted For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100

1) For further information, please refer on the Internet.

	Modular-Jack Insert 6-pole Cat. 3 (AMP-No. 216000-2) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).		
	0210	0225-0-0078	10
	Modular-Jack Insert 8-pole Cat. 3 (AMP-No. 216005-4) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).		
	0211	0225-0-0086	10
	D-Type Data Connector [1] For fixation screws M3. With locking bolts.		
	9-pole **0200**	0225-0-0011	50
	15-pole **0201**	0225-0-0029	50
	24-pole **0202**	0225-0-0037	50

1) Suitable for DCS insert Art. No. 1850 -1853 built-in.

	Built-in Jack For potential balancing jack cover plate and installation in cover plates. For devices of 19 mm diameter.		
	0471-0-0037	0471-0-0037	10
	Potential Balancing Plug Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801. For potential balancing jack cover plate (connection up to 6 mm² crimped or soldered)		
	0299-0-0032	0299-0-0032	10

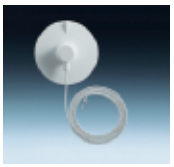
Accessories for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty
	DIN Profile-Semi Cylindrical Lock acc. to German Standard DIN 18252 Total length 40 mm for blind switches and push switches For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.		
	different lock mechanism, with 3 keys **0520 PZ-VS**	0470-0-0013	1/100
	Homogeneous lock mechanism, with 3 keys **0521 PZ-GS**	0470-0-0021	1/100
	Extension of Claws [1] *****) The claw extension is clamped over the switch/outlet-socket claw and under the claw screw. For the installation of flush mounted devices (all switches, push buttons, indication lamps and socket outlets), e.g. for deeply inserted boxes.		
	2149	1763-0-0010	100

1) Not for socket outlets with screwless terminals
*) Phase-out type

	Extension of Claws [1] For the installation of flush mounted SCHUKO socket outlets and also switches, push buttons, etc. and deeply installed flush mounted boxes.		
	2148	2148-0-0120	100

1) Not for types 2000/3 US, 2000/6/2 US, 2000/6/6 US and 2gang socket outlets.

	Sun Sensor Mounting Type: Surface-mounted For Busch Wind and Sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1
	Wind Sensor Mounting Type: Surface-mounted For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1
	Burglar-Alert Sensor Mounting Type: Component part For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10/10
	**Light Sensor** Mounting Type: Component part For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10/10

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Comfort timer control cover [1)]
Mounting Type: Flush-mounted
For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices.
With dusk to dawn program including individual adjustment and blocking time.
The controlled devices can be manually operated at any time.
Easy adjustment using menu and text-based display.
Factory-set switching times can be individually adjusted.
Automatic summer/wintertime switch-over
Switching times/programme are safely stored in the event of a mains power failure.
14-hour power reserve for time and date (maintenance-free capacitor).
Simple toggling between manual/automatic/vacation modes.
Combined with Busch Blind Control® II insert 6411 U/S-101, sun protection and dimming function.
User-adjustable sun protection and dimming function.
User-adjustable running times for blinds and air conditioning.
Control cover is adjustable without flush mounted insert.
4 switching times per day can be user-defined for each day of the week.
Dusk to dawn switching times and dawn to dusk switching times can be combined.
Combined with the Busch Universal Master Dimmer® insert 6593 U, the brightness of the lighting can be set for every switch-on time.
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For relay switch insert 6401 U-102.
For Busch Universal Master Dimmer® insert 6593 U.
for Busch Universal Touch-type Controller 6550 U-101
Temperature range (Device): 0 °C to 35 °C

6455-500		6410-0-0373	1/10

1) See respective cover plates 6435-xx.

Standard timer control cover [1)]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
With dusk to dawn program including individual adjustment and blocking time.
The controlled devices can be manually operated at any time.
Easy adjustment using menu and text-based display.
Factory-set switching times can be individually adjusted.
Automatic summer/wintertime switch-over
Switching times/programme are safely stored in the event of a mains power failure.
14-hour power reserve for time and date (maintenance-free capacitor).
Simple toggling between manual/automatic/vacation modes.
Control cover is adjustable without flush mounted insert.
2 switching times per day can be user-defined for each day of the week.
Dusk to dawn switching times and dawn to dusk switching times can be combined.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

6456		6410-0-0374	1/10

1) See respective cover plates 6435-xx.

Memory control cover [1)]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

6457		6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

Product	Article-No.	Order-No.	Pack Qty

Electrothermal Valve Drives with function indicator
Mounting Type: Surface-mounted
For controlling heating and cooled ceilings in combination with the heating actuator 6164 U.
The Filament Transformer 6190/49 can be used as the voltage supply
With function display (opened or closed).
de-energized when closed
max. opening/closing time: 3 min
For installing, a suitable valve adapter is required.
Connecting cable: 1.0 m (pluggable)
Power input: 70mA (approx. 2W)
Making current: 200 mA (short-time)
Rated voltage: 24 V
Protection class (Device): IP 54
Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm

6164/11-101		6151-0-0201	1/100

Electrothermal Valve Drives with function indicator
Mounting Type: Surface-mounted
For controlling heating and cooled ceilings in combination with heating actuator 6164 U or a switch actuator (e.g. 6967-xx, 6931 U-10x, 6110 U-10x, 6951 built-in, 6151 built-in, ...)
With function display (opened or closed).
de-energized when closed
max. opening/closing time: 3 min
For installing, a suitable valve adapter is required.
Power input: 8 mA (approx. 2 W)
Making current: 320 mA (short-time)
Connecting cable: 1.0 m (pluggable)
Rated voltage: 230 V
Protection class (Device): IP 54
Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm

6164/10-101		6151-0-0199	1/100

Valve adapter VA 02, from Möhlenhoff [1) 2) 3)]
Mounting Type: Component part
For thermoelectric positioners 6164/10-101 and 6164/11-101.
For angle-type valves from Velta.
M 30 x 1.5 (external).

6164/23		6151-0-0173	5

1) Additional valve adapters are available on request through Messrs. Möhlenhoff.
2) picture deviating
3) The valve adapters are adapted to the standard valves made by the manufacturer. Customised designs are to be tested, if required

Valve adapter VA 50, from Möhlenhoff [1) 2) 3)]
For thermoelectric positioners 6164/10-101 and 6164/11-101.
For angle-type valves from MNG, Honeywell & Brauck., Landis & Gyr or Reich.
M 30 x 1.5.

6164/21		6151-0-0171	5

1) Additional valve adapters are available on request through Messrs. Möhlenhoff.
2) picture deviating
3) The valve adapters are adapted to the standard valves made by the manufacturer. Customised designs are to be tested, if required

Valve adapter VA 78, from Möhlenhoff [1) 2) 3)]
For thermoelectric positioners 6164/10-101 and 6164/11-101.
For angle-type valve from Danfoss RA flange.

6164/22		6151-0-0172	5

1) Additional valve adapters are available on request through Messrs. Möhlenhoff.
2) picture deviating
3) The valve adapters are adapted to the standard valves made by the manufacturer. Customised designs are to be tested, if required

Product	Article-No.	Order-No.	Pack Qty
Valve adapter VA 80, from Möhlenhoff [1] [2] [3] For thermoelectric positioners 6164/10 and 6164/11. For angle-type valves from Heimeier, Oventrop, Schlösser, Herb or Onda. M 30 x 1.5.			
	6164/20	6151-0-0170	5

1) Additional valve adapters are available on request through Messrs. Möhlenhoff.
2) picture deviating
3) The valve adapters are adapted to the standard valves made by the manufacturer. Customised designs are to be tested, if required

DIN A 4 Labelling Sheet [1]
Suitable for Busch Script labelling software.
With labels.

Labels for all sizes		
1799	1799-0-0196	1
Labels 51.5 x 10 mm [2]		
1799 01	1799-0-0618	1
Labels 53.7 x 11.7 mm [3]		
1799 02	1799-0-0626	1
Labels 47 x 8 mm [4]		
1799 03	1799-0-0634	1/10
Labels 57.8 x 11.7 mm [5]		
1799 04	1799-0-0642	1
Labels 41.3 x 9.7 mm [6]		
1799 05	1799-0-0659	1
Labels 53 x 8.5 mm [7]		
1799 06	1799-0-0667	1
Labels 25 x 37.5 mm [8]		
1799 07	1799-0-0675	1
Plastic foil labels 56,5 x 10.5 mm [9]		
1799 08	1799-0-0683	1
Plastic foil labels 47 x 13.7 mm		
1799 09	1799-0-0691	1

1) 1 piece = 10 sheets
2) Suitable for Art. No. 2506 N-21..., 2510 NLI-21..., 20 EUKN-21...
3) Suitable for Art. No. 2761 N-20..., 1758-21.../20.../2..., 20 EUKN-20...
4) Suitable for Art. No. 1721 NS-21..., 1722 NS-21..., 1721 NS-24, 1722 NS-24
5) Suitable for Art. No. 1781-2..., 1764 NLI-2...
6) Suitable for Art. No. 2559-21..., 1757-2..., 2533 WS, 2533 WS-15
7) Suitable for Art. No. 1781-7..., 20 EUN-7...
8) Suitable for Art. No. 2510 N-21..., 2761-20...
9) Suitable for Busch-Duro 2000® WS and WW lines.

Product	Article-No.	Order-No.	Pack Qty

DIN A 4 Labelling Sheet
for solo®, future®, future® linear, carat® und *pure* stainless steel.
Suitable for Busch Script labelling software.
With labels.
[1]

Plastic foil labels 59.7 x 11.7 mm		
1799 17	1799-0-0886	1
Plastic foil labels, 60.2 x 9.2 mm [2]		
1799 18	1799-0-0887	1
Plastic foil labels 60.2 x 10.2 mm [3]		
1799 19	1799-0-0888	1

1) Suitable for 1764 NLI-8x.
2) Suitable for 20 EUN-8x.
3) Suitable for 1758-8x.

DIN A 4 Labelling Sheet [1] [2]
Plastic foil for Busch triton®
With labels.
For Busch triton®.
For laser printer.
Suitable for Busch Script labelling software.
The Busch Script software can be found on the Internet or in the EIB database.

1799 10	1799-0-0808	1

1) Suitable for Art. No. 6321-..., 6322-..., 6323-..., 6324-..., 6325-..., 6326-..., 6327-...
2) 1 piece = 1 sheet.

DIN A 4 Labelling Sheet [1]
Plastic foil for All Weather 44 labels 66.7 x 10 mm
For laser printer.
Suitable for Busch Script labelling software.
The Busch Script software can be found on the Internet or in the EIB database.

1799 12	1799-0-0865	1

1) 1 piece = 10 sheets

DIN A 4 Labelling Sheet [1] [2]
Plastic foil for ocean labels 57.8 x 9.8 mm
for label holder 1763-53,
For laser printer.
suitable for Busch Script lettering software.
The Busch Script software can be found on the Internet or in the EIB database.

1799 13	1799-0-0881	1

1) Fig. similar.
2) 1 piece = 10 sheets

DIN A 4 Labelling Sheet [1]
Fits Cover Plate for information light 1716-xxx.
suitable for Busch Script lettering software.
The Busch Script software can be found on the Internet or in the EIB database.

1799 21	1799-0-0907	1

1) 1 piece = 1 sheet.

For custom labeling, please contact the Busch-Jaeger Labeling Service.

Our Central Sales Service will be pleased to assist you.

Price: on request.

Unique.

carat® states our explicit commitment to sophisticated design. Its straight and elegant shape combined with high-grade natural materials makes carat® an absolute eye-catcher. As an independent object the switch becomes an integral part of high-quality representative architecture.

bronze

stainless steel

chrome

gold

glass white

Material: Thermoplastic cover (PC), impact-resistant, UV resistant, weather-proof, PVC and halogen free.

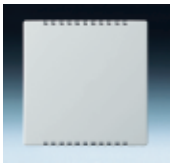
2gang Combination Switch/Socket Outlet.
Colour: glass black.

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch		
81 anthracite	**1786-81**	1751-0-2926	10/100
82 savanna/ivory white	**1786-82**	1751-0-2741	10/100
84 davos/studio white	**1786-84**	1751-0-2749	10/100
	Switch Rocker Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81 anthracite	**1789-81**	1751-0-2928	10
82 savanna/ivory white	**1789-82**	1751-0-2813	10
84 davos/studio white	**1789-84**	1751-0-2814	10/100
	Switch Rocker Mounting Type: Flush-mounted with light symbol for flush mounted push switch.		
81 anthracite	**1789 LI-81**	1751-0-2931	10
82 savanna/ivory white	**1789 LI-82**	1751-0-2745	10
84 davos/studio white	**1789 LI-84**	1751-0-2753	10/100
	Switch Rocker Mounting Type: Flush-mounted With bell symbol for flush mounted push switch.		
81 anthracite	**1789 KI-81**	1751-0-2932	10
82 savanna/ivory white	**1789 KI-82**	1751-0-2746	10
84 davos/studio white	**1789 KI-84**	1751-0-2754	10
	Switch Rocker Mounting Type: Flush-mounted With key symbol for flush mounted push switch.		
81 anthracite	**1789 TR-81**	1751-0-2933	10
82 savanna/ivory white	**1789 TR-82**	1751-0-2747	10
84 davos/studio white	**1789 TR-84**	1751-0-2755	10

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker [1] [2] **with window** Mounting Type: Flush-mounted With pilot lamp for uniform illumination of the marking plate. for flush mounted switch 1g1w, 1g2w, intermediate, push switch Size of marking plate: 59.7 x 11.7 mm.		
81 anthracite	**1764 NLI-81**	1731-0-1552	10
82 savanna/ivory white	**1764 NLI-82**	1731-0-1876	10
84 davos/studio white	**1764 NLI-84**	1731-0-1877	10/100

1) See lettering sheet and lettering software.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1.

	Switch rocker with marking **with red neon lens** Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, DP, 3-pole and control 1gang 1way DP.		
81 anthracite	**1788-81**	1751-0-2927	10
82 savanna/ivory white	**1788-82**	1751-0-2742	10
84 davos/studio white	**1788-84**	1751-0-2750	10/100
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 2g1w, 2g push switch		
81 anthracite	**1785-81**	1751-0-2930	10
82 savanna/ivory white	**1785-82**	1751-0-2744	10/100
84 davos/studio white	**1785-84**	1751-0-2752	10/100
	Switch Rocker **with marking** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch With marking "Heizung-Notschalter".		
81 anthracite	**1789 H-81**	1751-0-2929	10
82 savanna/ivory white	**1789 H-82**	1751-0-2743	10
84 davos/studio white	**1789 H-84**	1751-0-2751	10
	Cover Plate Mounting Type: Flush-mounted For card switch for insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
81 anthracite	**1792-81**	1710-0-3639	10
82 savanna/ivory white	**1792-82**	1710-0-3640	10
84 davos/studio white	**1792-84**	1710-0-3641	10

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **open for red pull button neon indicator** Mounting Type: Flush-mounted For pull switch 2020/xx US.		
81 anthracite	**1720-81**	1731-0-1914	10
82 savanna/ivory white	**1720-82**	1731-0-1915	10
84 davos/studio white	**1720-84**	1731-0-1916	10
	**Cover Plate** **for cooling element** Mounting Type: Flush-mounted For Universal Master Dimmer® power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
81 anthracite	**6541-81**	6599-0-2882	10
82 savanna/ivory white	**6541-82**	6599-0-2832	10
84 davos/studio white	**6541-84**	6599-0-2835	10
	Cover Plate [1] **with rotary knob, with indication lamp** Mounting Type: Flush-mounted For Busch Dimmer®. For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.		
81 anthracite	**6540-81-101**	6599-0-2880	10
82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100

1) Replacement neon lamp, Art. No. 3855.

Product	Article-No.	Order-No.	Pack Qty
	Busch Comfort Switch sensor [1] **with neon lamp.** Mounting Type: Flush-mounted For 2-wire insert 6815 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection with animal access Detection range: frontal: 5 m, lateral: 3 m Aperture angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6815-81**	6800-0-2284	1/10
82 savanna/ivory white	**6815-82**	6800-0-2285	1/10
84 davos/studio white	**6815-84**	6800-0-2286	1/10

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
	IR-Control Cover [1] **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.		
81 anthracite	**6067-81**	6020-0-1380	1/10
82 savanna/ivory white	**6067-82**	6020-0-1333	1
84 davos/studio white	**6067-84**	6020-0-1335	1

1) Touch-type Controller 6550 U-xxx non-illuminable

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] [2] [3] **with neon** Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
81 anthracite	**6543-81-101**	6599-0-2881	1/10
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Control cover [1] **with neon** Mounting Type: Flush-mounted Combinable with Busch Memory 2gang Dimmer 6565 U.		
81 anthracite	**6545-81**	6599-0-2906	1/10
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10

1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
81 anthracite	**1785 JA-81**	1751-0-2934	10
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. for inserts 2712/2713 U and 2722/2723 U.		
81 anthracite	**1740-81**	1710-0-3623	10
82 savanna/ivory white	**1740-82**	1710-0-3154	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
81 anthracite	**2542 DR/01-81**	1710-0-3644	10
82 savanna/ivory white	**2542 DR/01-82**	1710-0-3645	10
84 davos/studio white	**2542 DR/01-84**	1710-0-3646	10
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
81 anthracite	**2542 DR/02-81**	1710-0-3649	10
82 savanna/ivory white	**2542 DR/02-82**	1710-0-3650	10
84 davos/studio white	**2542 DR/02-84**	1710-0-3651	10
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U.		
81 anthracite	**1773-81**	1753-0-9906	10
82 savanna/ivory white	**1773-82**	1753-0-9907	10
84 davos/studio white	**1773-84**	1753-0-9908	10
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. Only Start/Stop button can be operated.		
81 anthracite	**1773/10-81**	1753-0-9911	10
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with window** Mounting Type: Flush-mounted with marking. For half-cylindrical type switches and Blind Control Switch/Push Switch. For inserts 2733 USL-101 and 2712/2713/2722/2723 USL-101.		
81 anthracite	**1755 SL/PZ-81-101**	1710-0-3626	10
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
	Control cover Mounting Type: Flush-mounted For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal series insert 6402 U.		
81 anthracite	**6430-81-102**	6430-0-0326	1/10
82 savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
84 davos/studio white	**6430-84-102**	6430-0-0329	1/10
	Cover Plate Mounting Type: Flush-mounted For Busch Wind and Sun blind switch insert 6480 U-10x.		
81 anthracite	**1775 S/W-81-101**	1710-0-3625	10
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] [2] Mounting Type: Flush-mounted As cover for flush mounted information light. For insert 2062 U. Size of information field 43 x 43 mm.		
81 anthracite	**1716-81**	1731-0-1921	1
82 savanna/ivory white	**1716-82**	1731-0-1922	1
84 davos/studio white	**1716-84**	1731-0-1923	1

1) Included with the cover are 46 different text labels and symbols.
2) See lettering sheet and lettering software.

	Blank Plate **with metal mounting plate** Mounting Type: Flush-mounted		
81 anthracite	**1742-81**	1710-0-3612	10
82 savanna/ivory white	**1742-82**	1710-0-3143	10
84 davos/studio white	**1742-84**	1710-0-3161	10/100

	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted With strain relief (without terminal block).		
81 anthracite	**1749-81**	1710-0-3614	10
82 savanna/ivory white	**1749-82**	1710-0-3145	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

	Cover Plate Mounting Type: Flush-mounted As cover for universal data connection boxes. Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (UAE design and IAE design). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1803-81**	1710-0-3616	10
82 savanna/ivory white	**1803-82**	1710-0-3147	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **2gang** Mounting Type: Flush-mounted As cover for universal data connection boxes. Art. No. 0215 0214 (Cat 3/ISDN), 0218 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, UAE design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1803-02-81**	1710-0-3615	10
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100

	Cover Plate Mounting Type: Flush-mounted for German telephone TAE insert for German telephone UAE/TAE insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100

	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
81 anthracite	**1751-81**	1723-0-0253	10
82 savanna/ivory white	**1751-82**	1723-0-0239	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100

	Cover Plate Mounting Type: Flush-mounted As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite	**1745-81**	1710-0-3624	10
82 savanna/ivory white	**1745-82**	1710-0-3155	10
84 davos/studio white	**1745-84**	1710-0-3173	10

	Cover Plate [1] [2] As cover for standard TV/FM socket outlets. Mounting Type: Flush-mounted With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite	**1743-81**	1724-0-4252	10
82 savanna/ivory white	**1743-82**	1724-0-2758	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with window** Mounting Type: Flush-mounted For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1800-81**	1710-0-3627	10
82 savanna/ivory white	**1800-82**	1710-0-3158	10
84 davos/studio white	**1800-84**	1710-0-3176	10

1) Lettering sheets 1799 18 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	**1746/10-81**	1710-0-3628	10
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	**1746-81**	1710-0-3618	10
82 savanna/ivory white	**1746-82**	1710-0-3149	10
84 davos/studio white	**1746-84**	1710-0-3167	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite	**1748-81**	1710-0-3654	10
82 savanna/ivory white	**1748-82**	1710-0-3655	10
84 davos/studio white	**1748-84**	1710-0-3656	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite	**1750-81**	1710-0-3617	10
82 savanna/ivory white	**1750-82**	1710-0-3148	10
84 davos/studio white	**1750-84**	1710-0-3166	10

Product	Article-No.	Order-No.	Pack Qty
	Equipotential Socket Outlet **2gang** Mounting Type: Flush-mounted Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². (German Standard DIN/IEC 601 Part 1. VDE 0750 Part 1 12.91) Connection bolts German Standard DIN 42801.		
81 anthracite	**2095 UC-81**	2495-0-0084	10
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted With screw-type terminal. Fixed with central locknut. As cover for control units with a diameter of 22.5 mm		
81 anthracite	**2533-81**	1724-0-4254	10
82 savanna/ivory white	**2533-82**	1724-0-4255	10
84 davos/studio white	**2533-84**	1724-0-4256	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted for communication devices. With window 60.2 x 10.2 mm. Without claw.		
81 anthracite	**1758-81**	1724-0-4253	10
82 savanna/ivory white	**1758-82**	1724-0-2759	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100

1) Lettering sheets 1799,1799 02,1799 19 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUC-81**	2011-0-3801	10/100
82 savanna/ivory white	**20 EUC-82**	2011-0-3721	10/100
84 davos/studio white	**20 EUC-84**	2011-0-3725	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] **Shuttered** Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUCKS-81**	2013-0-5265	10
82 savanna/ivory white	**20 EUCKS-82**	2013-0-5244	10/100
84 davos/studio white	**20 EUCKS-84**	2013-0-5245	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Increased shock protection .

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] with hinged lid. Mounting Type: Flush-mounted With screwless terminal 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUK-81**	2018-0-1486	10
82 savanna/ivory white	**20 EUK-82**	2018-0-1465	10
84 davos/studio white	**20 EUK-84**	2018-0-1467	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] with window Mounting Type: Flush-mounted 2 P + E Size of marking plate: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUN-81**	2011-0-3802	10
82 savanna/ivory white	**20 EUN-82**	2011-0-3726	10
84 davos/studio white	**20 EUN-84**	2011-0-3727	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	Busch-Protector® SCHUKO® Socket Outlet [1] With overvoltage protection. Mounting Type: Flush-mounted 2 P + E With integrated and external signalling contact. I_{SN} = 5 kA Device protection for technically sensitive terminals such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**2310EUGL/VA-81-11**	2011-0-3830	1
82 ivory	**2310EUGL/VA-82-11**	2011-0-3831	1
84 studio white	**2310EUGL/VA-84-11**	2011-0-3833	1

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] [3] with marking "EDV" Mounting Type: Flush-mounted With screwless terminal 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUCKS/DV-81**	2013-0-5266	10
82 savanna/ivory white	**20 EUCKS/DV-82**	2013-0-5267	10
84 davos/studio white	**20 EUCKS/DV-84**	2013-0-5268	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection .

Product	Article-No.	Order-No.	Pack Qty
	13 A Switch socket Outlet *) SP switched 1gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2 fits only in VDE-box CFBM122		
savanna/ivory white	**2190EUC-82**	delivery on request	
aluminium silver	**2190EUC-83**	delivery on request	
davos/studio white	**2190EUC-84**	delivery on request	
manhattan/ graphite	**2190EUC-85**	delivery on request	

	Socket Outlet Cover Shuttered Mounting Type: Flush-mounted For socket outlet insert 23 M-504.		
81 anthracite	**2399 UCKS-81**	2099-0-0216	10
82 savanna/ivory white	**2399 UCKS-82**	2099-0-0211	10
84 davos/studio white	**2399 UCKS-84**	2099-0-0214	10

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with remote sensor. for insert 1082 UF.		
81 anthracite	**1782-81**	1710-0-3619	10
82 savanna/ivory white	**1782-82**	1710-0-3150	10
84 davos/studio white	**1782-84**	1710-0-3168	10

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
81 anthracite	**1780-81**	1710-0-3620	10
82 savanna/ivory white	**1780-82**	1710-0-3151	10
84 davos/studio white	**1780-84**	1710-0-3169	10

	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted for thermostat 1094 U, 1097 U		
81 anthracite	**1794-81**	1710-0-3629	10
82 savanna/ivory white	**1794-82**	1710-0-3543	10
84 davos/studio white	**1794-84**	1710-0-3544	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted with sliding switch for nightly room temperature reduction for thermostat 1095 U, 1096 U		
81 anthracite	**1795-81**	1710-0-3630	10
82 savanna/ivory white	**1795-82**	1710-0-3568	10
84 davos/studio white	**1795-84**	1710-0-3569	10
	Busch Watchdog 180 flush mounted comfort sensor II [1] **with select-lens** Mounting Type: Flush-mounted For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Detection with animal access With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surveillance density: 18 sectors with 72 switching segments. Detection range: frontal: 12 m, lateral: 8 m Aperture angle: 180 ° Brightness limit value: 5 Lux -1000 Lux Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6800-81-104**	6800-0-2268	1
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Busch Watchdog 180 flush mounted comfort sensor II [1] [2] **with multi-lens** Mounting Type: Flush-mounted For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Aperture angle: 180 ° Brightness limit value: 5 Lux -1000 Lux Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6800-81-104M**	6800-0-2269	1
82 savanna/ivory white	**6800-82-104M**	6800-0-2100	1
84 davos/studio white	**6800-84-104M**	6800-0-2102	1/10

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame **1gang** Mounting Type: Flush-mounted For vertical or horizontal installation.		
810 glass white	**1721-810**	1754-0-4250	1
821 bronze	**1721-821**	1754-0-4258	1
860 stainless steel	**1721-860**	1754-0-4254	1
825 glass black	**1721-825**	1754-0-4322	1
	Cover Frame **2gang** Mounting Type: Flush-mounted For vertical or horizontal installation.		
810 glass white	**1722-810**	1754-0-4251	1
821 bronze	**1722-821**	1754-0-4259	1
860 stainless steel	**1722-860**	1754-0-4255	1
825 glass black	**1722-825**	1754-0-4323	1
	Cover Frame **3gang** Mounting Type: Flush-mounted For vertical or horizontal installation.		
810 glass white	**1723-810**	1754-0-4252	1
821 bronze	**1723-821**	1754-0-4260	1
860 stainless steel	**1723-860**	1754-0-4256	1
825 glass black	**1723-825**	1754-0-4324	1
	Cover Frame **4gang** Mounting Type: Flush-mounted For vertical or horizontal installation.		
810 glass white	**1724-810**	1754-0-4253	1
821 bronze	**1724-821**	1754-0-4261	1
860 stainless steel	**1724-860**	1754-0-4257	1
825 glass black	**1724-825**	1754-0-4325	1
	Cover Frame *) **1gang** Mounting Type: Flush-mounted		
823 gold	**1721-823**	1754-0-4262	1
826 chrome	**1721-826**	1754-0-4269	1

*) Phase-out type

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame *) **2gang** Mounting Type: Flush-mounted Horizontal		
823 gold	**1722-823**	1754-0-4263	1
826 chrome	**1722-826**	1754-0-4270	1

*) Phase-out type

Further technical details
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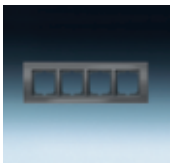
Product	Article-No.	Order-No.	Pack Qty
	Cover Frame *) **2gang** Mounting Type: Flush-mounted Vertical.		
823 gold	**1732-823**	1754-0-4264	1
826 chrome	**1732-826**	1754-0-4271	1
*) Phase-out type			
	Cover Frame *) **3gang** Mounting Type: Flush-mounted Horizontal		
823 gold	**1723-823**	1754-0-4265	1
826 chrome	**1723-826**	1754-0-4272	1
*) Phase-out type			
	Cover Frame *) **3gang** Mounting Type: Flush-mounted Vertical.		
823 gold	**1733-823**	1754-0-4266	1
826 chrome	**1733-826**	1754-0-4273	1
*) Phase-out type			
	**Cover Frame *)** **4gang** Mounting Type: Flush-mounted Horizontal		
823 gold	**1724-823**	1754-0-4267	1
826 chrome	**1724-826**	1754-0-4274	1
*) Phase-out type			
	Cover Frame *) **4gang** Mounting Type: Flush-mounted Vertical.		
823 gold	**1734-823**	1754-0-4268	1
826 chrome	**1734-826**	1754-0-4275	1
*) Phase-out type			

Product	Article-No.	Order-No.	Pack Qty

Further technical details
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Superness, nobility and durable materials.

If you demand complete satisfaction you must leave familiar terrain. Perfection is only possible when the mind crosses borders. These pure and durable materials are unique. A design which refers to the beauty of the original. Clear, combined shapes - superb craftsmanship.

Touch Dimmer

Busch Memory 2gang Dimmer

2gang-1way Switch

Socket Outlet

Rotary Dimmer

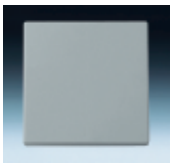
Blind control

Control switch with red lens, with marking I and 0

Cover Parts: Polycarbonate, impact resistant and high degree of breaking strength, UV persistent, weather-proof, free of PVC and any halogens.

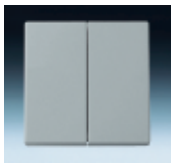
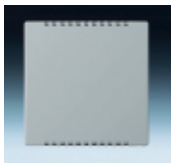
ANTI FINGERPRINT

Dual Combination Switch/Socket Outlet.
Design: ***pure*** *stainless steel*.
Colour: stainless steel.

Product	Article-No.	Order-No.	Pack Qty
	**Switch Rocker** **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch Material stainless steel. Anti fingerprint.		
866 stainless steel	**1786-866**	1751-0-2956	10/100
	Switch Rocker Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1789-866**	1751-0-2957	10/100
	Switch Rocker Mounting Type: Flush-mounted with light symbol for flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1789 LI-866**	1751-0-2958	10
	Switch Rocker Mounting Type: Flush-mounted With bell symbol for flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1789 KI-866**	1751-0-2959	10
	Switch Rocker Mounting Type: Flush-mounted With key symbol for flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1789 TR-866**	1751-0-2960	10
	Switch Rocker [1] [2] **with window** Mounting Type: Flush-mounted With pilot lamp for uniform illumination of the marking plate. for flush mounted switch 1g1w, 1g2w, intermediate, push switch Size of marking plate: 59.7 x 11.7 mm. Surface painted		
866 stainless steel	**1764 NLI-866**	1731-0-1953	10

1) See lettering sheet and lettering software.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1.

	Switch rocker with marking **with red neon lens** Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, DP, 3-pole and control 1gang 1way DP. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1788-866**	1751-0-2961	10

Product	Article-No.	Order-No.	Pack Qty
	**Switch Rocker** **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 2g1w, 2g push switch Material stainless steel. Anti fingerprint.		
866 stainless steel	**1785-866**	1751-0-2962	10
	Switch Rocker **with marking** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch With marking "Heizung-Notschalter". Material stainless steel. Anti fingerprint.		
866 stainless steel	**1789 H-866**	1751-0-2963	10
	Cover Plate Mounting Type: Flush-mounted For card switch for insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1792-866**	1710-0-3757	10
	Switch Rocker **open for red pull button neon indicator** Mounting Type: Flush-mounted For pull switch 2020/xx US. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1720-866**	1731-0-1954	10
	**Cover Plate** **for cooling element** Mounting Type: Flush-mounted For Universal Master Dimmer® power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. Surface painted		
866 stainless steel	**6541-866**	6599-0-2924	10
	Cover Plate [1] **with rotary knob, with indication lamp** Mounting Type: Flush-mounted For Busch Dimmer®. For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U. Material stainless steel. Anti fingerprint.		
866 stainless steel	**6540-866-101**	6599-0-2925	10/100

1) Replacement neon lamp 3856.

Product	Article-No.	Order-No.	Pack Qty

Busch Comfort Switch sensor [1]
with neon lamp.
Mounting Type: Flush-mounted
For 2-wire insert 6815 U.
Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.
Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.
Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.
Push switch function possible at all times.
Switch-off delay: 1 to 10 min., adjustable.
Surveillance density: 9 sectors with 28 switching segments.
Detection with animal access
Surface painted
Detection range: frontal: 5 m, lateral: 3 m
Aperture angle: 170 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

866 stainless steel	**6815-866**	6800-0-2345	10/10

1) Please order the respective flush mounted insert separately.

IR-Control Cover
with marking, illuminated
Mounting Type: Flush-mounted
For Busch Universal Master Dimmer® insert 6593 U.
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For Busch Universal series insert 6402 U.
for Busch Universal Touch-type Controller 6550 U-101
Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.
Surface painted

866 stainless steel	**6066-866**	6020-0-1389	1/10

IR-Control Cover
with marking, illuminated
Mounting Type: Flush-mounted
For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.
Surface painted

866 stainless steel	**6067-866**	6020-0-1390	1/10

Control Cover [1] [2] [3]
with neon
Mounting Type: Flush-mounted
Combinable with Busch Universal Touch-type Controller 6550 U-10x, Busch Memory Touch Dimmer® 6560 U-101, Busch Universal Dimmer® 6593 U, Busch-Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U
Surface painted

866 stainless steel	**6543-866-101**	6599-0-2926	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Control cover [1]
with neon
Mounting Type: Flush-mounted
Combinable with Busch Memory 2gang Dimmer 6565 U.
Material stainless steel.
Anti fingerprint.

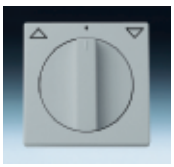
866 stainless steel	**6545-866**	6599-0-2927	1/10

1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty

Switch Rocker
with marking
Mounting Type: Flush-mounted
As cover for flush mounted blind control switch/push switch.
For inserts 2000/4 and 2020/4 US.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1785 JA-866**	1751-0-2964	10



Cover Plate
with rotary control, with marking
Mounting Type: Flush-mounted
As cover for flush mounted blind control switch/push switch.
for inserts 2712/2713 U and 2722/2723 U.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1740-866**	1710-0-3748	10

Cover Plate
with rotary control, with marking
Mounting Type: Flush-mounted
As cover for flush mounted three-step rotary switch.
With zero position.
for insert 2710 U.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**2542 DR/01-866**	1710-0-3758	10

Cover Plate
with rotary control, with marking
Mounting Type: Flush-mounted
As cover for flush mounted three-step rotary switch.
without zero position.
for Insert 2710/1 U.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**2542 DR/02-866**	1710-0-3759	10

Cover Plate
Mounting Type: Flush-mounted
For Busch short-time timer insert 6465 U.
Surface painted

866 stainless steel	**1773-866**	1753-0-0103	10

Cover Plate
Mounting Type: Flush-mounted
For Busch short-time timer insert 6465 U.
Only Start/Stop button can be operated.
Surface painted

866 stainless steel	**1773/10-866**	1753-0-0104	10

Cover Plate
Mounting Type: Flush-mounted
For Comfort timer control cover 6455.
For Standard timer control cover 6456.
Surface painted

866 stainless steel	**6435-866**	6430-0-0344	10

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty

Cover Plate [1]
with window
Mounting Type: Flush-mounted
with marking.
For half-cylindrical type switches and Blind Control Switch/Push Switch.
For inserts 2733 USL-101 and 2712/2713/2722/2723 USL-101.
Surface painted

866 stainless steel	**1755 SL/PZ-866-101**	1710-0-3749	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

Cover Plate
Mounting Type: Flush-mounted
For Memory control cover 6457.
Surface painted

866 stainless steel	**1773 JA-866**	1724-0-4269	10

Control cover
Mounting Type: Flush-mounted
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For basic blinds insert 6418 U.
For Busch Universal series insert 6402 U.
Surface painted

866 stainless steel	**6430-866-102**	6430-0-0343	1/10

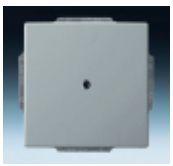
Cover Plate
Mounting Type: Flush-mounted
For Busch Wind and Sun blind switch insert 6480 U-10x.
Surface painted

866 stainless steel	**1775 S/W-866-101**	1710-0-3750	10

Cover Plate [1] [2]
Mounting Type: Flush-mounted
As cover for flush mounted information light.
For insert 2062 U.
Size of information field 43 x 43 mm.
Surface painted

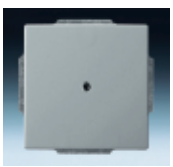
866 stainless steel	**1716-866**	1731-0-1955	1

1) Included with the cover are 46 different text labels and symbols.
2) See lettering sheet and lettering software.



Blank Plate
with metal mounting plate
Mounting Type: Flush-mounted
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1742-866**	1710-0-3751	10



Cover Plate [1]
with metal mounting plate
Mounting Type: Flush-mounted
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1749-866**	1710-0-3752	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

Product	Article-No.	Order-No.	Pack Qty

Cover Plate [1]
Mounting Type: Flush-mounted
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck.
Brand-Rex (WAEGV 8 EKR/EK).
BTR (UAE design and IAE design).
Telegärtner (AMJ 45, UMJ 45).
with down-leading outlet.
With window.
Size of marking plate: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1803-866**	1710-0-3763	10/100

1) See lettering sheet and lettering software.

Cover Plate [1]
2gang
Mounting Type: Flush-mounted
As cover for universal data connection boxes.
Art. No. 0215 0214 (Cat 3/ISDN), 0218 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck.
Brand-Rex (WAEGV 8/8 EKR/EK).
AMP (NETCONNECT 5E).
BTR (E-DAT C6, E-DAT design, UAE design and IAE design).
cti (cti-wire 2.8 Cat.6).
Telegärtner (AMJ 45, UMJ 45).
with down-leading outlet.
With window.
Size of marking plate: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1803-02-866**	1710-0-3764	10/100

1) See lettering sheet and lettering software.

Cover Plate
Mounting Type: Flush-mounted
for German telephone TAE insert
for German telephone UAE/TAE insert
For loudspeaker connection box
Suitable for Art. No. 0247 and 0248.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1766-866**	1710-0-3765	10/100

Cover Plate
with metal mounting plate
Mounting Type: Flush-mounted
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1751-866**	1723-0-0255	10

Cover Plate
Mounting Type: Flush-mounted
As cover for telephone connector boxes (VDo).
Can be knocked out for single or double connection.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1745-866**	1710-0-3766	10

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] [2] Mounting Type: Flush-mounted Radio/TV/SAT. DIN 45330. As cover for standard TV/FM socket outlets. with M3 fixing screw. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1743-866**	1724-0-4271	10/100

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

	Cover Plate [1] **with window** Mounting Type: Flush-mounted For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of marking plate: 60.2 x 9.2 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1800-866**	1710-0-3767	10

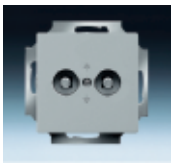
1) Lettering sheets 1799 18 and lettering software.

	Cover Plate Mounting Type: Flush-mounted With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc. Surface painted		
866 stainless steel	**1746-866**	1710-0-3769	10

	Cover Plate Mounting Type: Flush-mounted For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc. Surface painted		
866 stainless steel	**1746/10-866**	1710-0-3768	10

	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1748-866**	1710-0-3760	10

	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	**1750-866**	1710-0-3770	10

Product	Article-No.	Order-No.	Pack Qty
	**Equipotential Socket Outlet** **2gang** Mounting Type: Flush-mounted Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². (German Standard DIN/IEC 601 Part 1. VDE 0750 Part 1 12.91) Connection bolts German Standard DIN 42801. Surface painted		
866 stainless steel	**2095 UC-866**	2495-0-0090	10

	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted With screw-type terminal. Fixed with central locknut. As cover for control units with a diameter of 22.5 mm Without claw. Surface painted		
866 stainless steel	**2533-866**	1724-0-4270	10

	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted for communication devices. With window 60.2 x 10.2 mm. Surface painted Without claw.		
866 stainless steel	**1758-866**	1724-0-4272	10

1) Lettering sheets 1799,1799 02,1799 19 and lettering software.

	SCHUKO® Socket Outlet [1] Mounting Type: Flush-mounted With screwless terminal 2 P + E Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**20 EUC-866**	2011-0-3850	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] **Shuttered** Mounting Type: Flush-mounted With screwless terminal 2 P + E Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**20 EUCKS-866**	2013-0-5276	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Increased shock protection .

	SCHUKO® Socket Outlet [1] **with hinged lid.** Mounting Type: Flush-mounted With screwless terminal 2 P + E Hinged lid notches when opened. Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**20 EUK-866**	2018-0-1490	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] **with window** Mounting Type: Flush-mounted 2 P + E Size of marking plate: 60.2 x 9.2 mm. Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**20 EUN-866**	2011-0-3851	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) See lettering sheet and lettering software.

	Busch-Protector® SCHUKO® Socket Outlet [1] **With overvoltage protection.** Mounting Type: Flush-mounted 2 P + E With integrated and external signalling contact. I_{SN} = 5 kA Device protection for technically sensitive terminals such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
866 stainless steel	**2310EUGL/VA-866-11**	2011-0-3853	1

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] **with marking "EDV"** Mounting Type: Flush-mounted With screwless terminal 2 P + E Shuttered. Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**20 EUCKS/DV-866**	2013-0-5277	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Increased shock protection .

	SCHUKO® Socket Outlet [1] [2] **With control light** Mounting Type: Flush-mounted 2 P + E Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	**2300 EUCGL-866**	2011-0-3852	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch Duro 2000® SI.

	Socket Outlet Cover **Shuttered** Mounting Type: Flush-mounted For socket outlet insert 23 M-504.		
866 stainless steel	**2399 UCKS-866**	2099-0-0243	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For amplifier insert 8211 U and 8212 U. For loudspeaker insert 8221 U. Surface painted		
866 stainless steel	**8251-866**	8200-0-0040	10

	Cover Plate [1] Mounting Type: Flush-mounted As cover for socket outlets with earthing contact socket 2300 EUCGL-... Not intended for cutouts of diameter 45 mm without styling frame. Material stainless steel. Anti fingerprint.		
866 stainless steel	**2399 C-866**	2099-0-0242	

1) Only for replacement purposes.

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with remote sensor. for insert 1082 UF. Surface painted		
866 stainless steel	**1782-866**	1710-0-3753	10

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF. Surface painted		
866 stainless steel	**1780-866**	1710-0-3754	10

	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted for room thermostat 1094 U, 1097 U Surface painted		
866 stainless steel	**1794-866**	1710-0-3755	10

	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted with sliding switch for nightly room temperature reduction for thermostat 1095 U, 1096 U Surface painted		
866 stainless steel	**1795-866**	1710-0-3756	10

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 180 flush mounted comfort sensor II [1]
with select-lens
Mounting Type: Flush-mounted
For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U.
Detection with animal access
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Surveillance density: 18 sectors with 72 switching segments.
Surface painted
Detection range: frontal: 12 m, lateral: 8 m
Aperture angle: 180 °
Brightness limit value: 5 Lux - 1000 Lux
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

866 stainless steel	**6800-866-104**	6800-0-2343	1

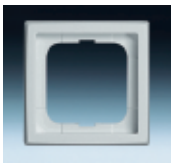
1) Please order the respective flush mounted insert separately.

Busch Watchdog 180 flush mounted comfort sensor II [1] [2]
with multi-lens
Mounting Type: Flush-mounted
For automatic switching of devices dependent on motion and brightness.
For down-to-ground detection.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For Dimmer insert 6593 U.
For extension insert 6805 U.
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Surveillance density: 28 sectors with 112 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Surface painted
Detection range: frontal: 15 m, lateral: 5 m
Aperture angle: 180 °
Brightness limit value: 5 Lux - 1000 Lux
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

866 stainless steel	**6800-866-104M**	6800-0-2344	1

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty



Cover Frame [1]
1gang
Mounting Type: Flush-mounted
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1721-866K**	1754-0-4317	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.

Cover Frame [1]
2gang
Mounting Type: Flush-mounted
For vertical or horizontal installation.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1722-866K**	1754-0-4318	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.

Cover Frame [1]
3gang
Mounting Type: Flush-mounted
For vertical or horizontal installation.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1723-866K**	1754-0-4319	10

1) Suitable for installation in trunking systems with 80 mm conduit.

Cover Frame [1]
4gang
Mounting Type: Flush-mounted
For vertical or horizontal installation.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1724-866K**	1754-0-4320	1

1) Suitable for installation in trunking systems with 80 mm conduit.

Cover Frame [1]
5-gang
Mounting Type: Flush-mounted
For vertical or horizontal installation.
Material stainless steel.
Anti fingerprint.

866 stainless steel	**1725-866K**	1754-0-4321	1

1) Suitable for installation in trunking systems with 80 mm conduit.

The "essential features" become evident when reductions are made.

The appeal of future® and future® linear lies in their simple uncompromising design. In combination with defined colours, which augment modern architectural concepts, irrespective of time and fashion.

future®
ivory white

future® linear
ivory white

future®
stone

future® linear
stone

future®
graphit

future® linear
anthracite

future®
studio white

future® linear
studio white

Material: Thermoplastic cover (PC), impact-resistant, UV resistant, weather-proof, PVC and halogen free.

2gang Combination Switch/Socket Outlet.
Colour: aluminium silver.

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch		
82 savanna/ivory white	**1786-82**	1751-0-2741	10/100
84 davos/studio white	**1786-84**	1751-0-2749	10/100
85 manhattan/ graphite	**1786-85**	1751-0-2757	10/100
89 stone/light grey	**1786-89**	1751-0-2880	10/100
	Switch Rocker Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
82 savanna/ivory white	**1789-82**	1751-0-2813	10
84 davos/studio white	**1789-84**	1751-0-2814	10/100
85 manhattan/ graphite	**1789-85**	1751-0-2815	10/100
89 stone/light grey	**1789-89**	1751-0-2882	10
	Switch Rocker Mounting Type: Flush-mounted with light symbol for flush mounted push switch.		
82 savanna/ivory white	**1789 LI-82**	1751-0-2745	10
84 davos/studio white	**1789 LI-84**	1751-0-2753	10/100
85 manhattan/ graphite	**1789 LI-85**	1751-0-2761	10
89 stone/light grey	**1789 LI-89**	1751-0-2885	10
	Switch Rocker Mounting Type: Flush-mounted With bell symbol for flush mounted push switch.		
82 savanna/ivory white	**1789 KI-82**	1751-0-2746	10
84 davos/studio white	**1789 KI-84**	1751-0-2754	10
85 manhattan/ graphite	**1789 KI-85**	1751-0-2762	10
89 stone/light grey	**1789 KI-89**	1751-0-2886	10
	Switch Rocker Mounting Type: Flush-mounted With key symbol for flush mounted push switch.		
82 savanna/ivory white	**1789 TR-82**	1751-0-2747	10
84 davos/studio white	**1789 TR-84**	1751-0-2755	10
85 manhattan/ graphite	**1789 TR-85**	1751-0-2763	10
89 stone/light grey	**1789 TR-89**	1751-0-2887	10

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker [1] [2] **with window** Mounting Type: Flush-mounted With pilot lamp for uniform illumination of the marking plate. for flush mounted switch 1g1w, 1g2w, intermediate, push switch Size of marking plate: 59.7 x 11.7 mm.		
82 savanna/ivory white	**1764 NLI-82**	1731-0-1876	10
84 davos/studio white	**1764 NLI-84**	1731-0-1877	10/100
85 manhattan/ graphite	**1764 NLI-85**	1731-0-1878	10
89 stone/light grey	**1764 NLI-89**	1731-0-1886	10

1) See lettering sheet and lettering software.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1.

	Switch rocker with marking **with red neon lens** Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, DP, 3-pole and control 1gang 1way DP.		
82 savanna/ivory white	**1788-82**	1751-0-2742	10
84 davos/studio white	**1788-84**	1751-0-2750	10/100
85 manhattan/ graphite	**1788-85**	1751-0-2758	10/100
89 stone/light grey	**1788-89**	1751-0-2881	10
	Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 2g1w, 2g push switch		
82 savanna/ivory white	**1785-82**	1751-0-2744	10/100
84 davos/studio white	**1785-84**	1751-0-2752	10/100
85 manhattan/ graphite	**1785-85**	1751-0-2760	10/100
89 stone/light grey	**1785-89**	1751-0-2884	10
	Switch Rocker **with marking** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch With marking "Heizung-Notschalter".		
82 savanna/ivory white	**1789 H-82**	1751-0-2743	10
84 davos/studio white	**1789 H-84**	1751-0-2751	10
85 manhattan/ graphite	**1789 H-85**	1751-0-2759	10
89 stone/light grey	**1789 H-89**	1751-0-2883	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For card switch for insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
82 savanna/ivory white	**1792-82**	1710-0-3640	10
84 davos/studio white	**1792-84**	1710-0-3641	10
85 manhattan/ graphite	**1792-85**	1710-0-3642	10
89 stone/light grey	**1792-89**	1710-0-3643	10
	Switch Rocker **open for red pull button neon indicator** Mounting Type: Flush-mounted For pull switch 2020/xx US.		
82 savanna/ivory white	**1720-82**	1731-0-1915	10
84 davos/studio white	**1720-84**	1731-0-1916	10
85 manhattan/ graphite	**1720-85**	1731-0-1917	10
89 stone/light grey	**1720-89**	1731-0-1918	10
	Cover Plate **for cooling element** Mounting Type: Flush-mounted For Universal Master Dimmer® power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
82 savanna/ivory white	**6541-82**	6599-0-2832	10
84 davos/studio white	**6541-84**	6599-0-2835	10
85 manhattan/ graphite	**6541-85**	6599-0-2838	10
89 stone/light grey	**6541-89**	6599-0-2866	10
	Cover Plate [1] **with rotary knob, with indication lamp** Mounting Type: Flush-mounted For Busch Dimmer®. For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.		
82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100
85 manhattan/ graphite	**6540-85-101**	6599-0-2836	10/100
89 stone/light grey	**6540-89-101**	6599-0-2864	10/100

1) Replacement neon lamp, Art. No. 3855.

Product	Article-No.	Order-No.	Pack Qty
	Busch Comfort Switch sensor [1] **with neon lamp.** Mounting Type: Flush-mounted For 2-wire insert 6815 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection with animal access Detection range: frontal: 5 m, lateral: 3 m Aperture angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	**6815-82**	6800-0-2285	1/10
84 davos/studio white	**6815-84**	6800-0-2286	1/10
85 manhattan/ graphite	**6815-85**	6800-0-2287	1/10
89 stone/light grey	**6815-89**	6800-0-2291	1/10
	IR-Control Cover **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.		
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
85 manhattan/ graphite	**6066-85**	6020-0-1336	10/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	IR-Control Cover [1] **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/ 6021-xx possible.		
82 savanna/ivory white	**6067-82**	6020-0-1333	1
84 davos/studio white	**6067-84**	6020-0-1335	1
85 manhattan/ graphite	**6067-85**	6020-0-1337	1
89 stone/light grey	**6067-89**	6020-0-1362	1

1) Touch-type Controller 6550 U-xxx non-illuminable

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] [2] [3] **with neon** Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10
85 manhattan/ graphite	**6543-85-101**	6599-0-2837	1/10
89 stone/light grey	**6543-89-101**	6599-0-2865	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Control cover [1] **with neon** Mounting Type: Flush-mounted Combinable with Busch Memory 2gang Dimmer 6565 U.		
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10
85 manhattan/ graphite	**6545-85**	6599-0-2909	1/10
89 stone/light grey	**6545-89**	6599-0-2913	1/10

1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Switch Rocker **with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100
85 manhattan/ graphite	**1785 JA-85**	1751-0-2764	10/100
89 stone/light grey	**1785 JA-89**	1751-0-2888	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. for inserts 2712/2713 U and 2722/2723 U.		
82 savanna/ivory white	**1740-82**	1710-0-3154	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
85 manhattan/ graphite	**1740-85**	1710-0-3190	10
89 stone/light grey	**1740-89**	1710-0-3445	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
82 savanna/ivory white	**2542 DR/01-82**	1710-0-3645	10
84 davos/studio white	**2542 DR/01-84**	1710-0-3646	10
85 manhattan/ graphite	**2542 DR/01-85**	1710-0-3647	10
89 stone/light grey	**2542 DR/01-89**	1710-0-3648	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
82 savanna/ivory white	**2542 DR/02-82**	1710-0-3650	10
84 davos/studio white	**2542 DR/02-84**	1710-0-3651	10
85 manhattan/ graphite	**2542 DR/02-85**	1710-0-3652	10
89 stone/light grey	**2542 DR/02-89**	1710-0-3653	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U.		
82 savanna/ivory white	**1773-82**	1753-0-9907	10
84 davos/studio white	**1773-84**	1753-0-9908	10
85 manhattan/ graphite	**1773-85**	1753-0-9909	10
89 stone/light grey	**1773-89**	1753-0-9910	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. Only Start/Stop button can be operated.		
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10
85 manhattan/ graphite	**1773/10-85**	1753-0-9915	10
89 stone/light grey	**1773/10-89**	1753-0-9916	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with window** Mounting Type: Flush-mounted with marking. For half-cylindrical type switches and Blind Control Switch/Push Switch. For inserts 2733 USL-101 and 2712/2713/2722/2723 USL-101.		
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10
85 manhattan/ graphite	**1755 SL/PZ-85-101**	1710-0-3193	10
89 stone/light grey	**1755 SL/PZ-89-101**	1710-0-3448	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
85 manhattan/ graphite	**1773 JA-85**	1724-0-2762	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	Control cover Mounting Type: Flush-mounted For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal series insert 6402 U.		
82 savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
84 davos/studio white	**6430-84-102**	6430-0-0329	1/10
85 manhattan/ graphite	**6430-85-102**	6430-0-0330	1/10
89 stone/light grey	**6430-89-102**	6430-0-0334	1/10
	Cover Plate Mounting Type: Flush-mounted For Busch Wind and Sun blind switch insert 6480 U-10x.		
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
85 manhattan/ graphite	**1775 S/W-85-101**	1710-0-3192	10
89 stone/light grey	**1775 S/W-89-101**	1710-0-3447	10
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10
85 manhattan/ graphite	**6435-85**	6430-0-0307	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	Cover Plate [1] [2] Mounting Type: Flush-mounted As cover for flush mounted information light. For insert 2062 U. Size of information field 43 x 43 mm.		
82 savanna/ivory white	**1716-82**	1731-0-1922	1
84 davos/studio white	**1716-84**	1731-0-1923	1
85 manhattan/ graphite	**1716-85**	1731-0-1924	1
89 stone/light grey	**1716-89**	1731-0-1928	1

1) Included with the cover are 46 different text labels and symbols.
2) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Blank Plate **with metal mounting plate** Mounting Type: Flush-mounted		
82 savanna/ivory white	**1742-82**	1710-0-3143	10
84 davos/studio white	**1742-84**	1710-0-3161	10/100
85 manhattan/ graphite	**1742-85**	1710-0-3179	10
89 stone/light grey	**1742-89**	1710-0-3434	10
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
82 savanna/ivory white	**1749-82**	1710-0-3145	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100
85 manhattan/ graphite	**1749-85**	1710-0-3181	10
89 stone/light grey	**1749-89**	1710-0-3436	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

	Cover Plate [1] Mounting Type: Flush-mounted As cover for universal data connection boxes. Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (UAE design and IAE design). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
82 savanna/ivory white	**1803-82**	1710-0-3147	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100
85 manhattan/ graphite	**1803-85**	1710-0-3183	10
89 stone/light grey	**1803-89**	1710-0-3438	10

1) See lettering sheet and lettering software.

	Cover Plate [1] **2gang** Mounting Type: Flush-mounted As cover for universal data connection boxes. Art. No. 0215 0214 (Cat 3/ISDN), 0218 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, UAE design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100
85 manhattan/ graphite	**1803-02-85**	1710-0-3182	10
89 stone/light grey	**1803-02-89**	1710-0-3437	10

1) See lettering sheet and lettering software.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted for German telephone TAE insert for German telephone UAE/TAE insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
85 manhattan/ graphite	**1766-85**	1710-0-3180	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
82 savanna/ivory white	**1751-82**	1723-0-0239	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100
85 manhattan/ graphite	**1751-85**	1723-0-0241	10
89 stone/light grey	**1751-89**	1723-0-0249	10
	Cover Plate Mounting Type: Flush-mounted As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
82 savanna/ivory white	**1745-82**	1710-0-3155	10
84 davos/studio white	**1745-84**	1710-0-3173	10
85 manhattan/ graphite	**1745-85**	1710-0-3191	10
89 stone/light grey	**1745-89**	1710-0-3446	10
	Cover Plate [1] [2] As cover for standard TV/FM socket outlets. Mounting Type: Flush-mounted With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
82 savanna/ivory white	**1743-82**	1724-0-2758	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100
85 manhattan/ graphite	**1743-85**	1724-0-2763	10
89 stone/light grey	**1743-89**	1724-0-2830	10

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with window** Mounting Type: Flush-mounted For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of marking plate: 60.2 x 9.2 mm.		
82 savanna/ivory white	**1800-82**	1710-0-3158	10
84 davos/studio white	**1800-84**	1710-0-3176	10
85 manhattan/ graphite	**1800-85**	1710-0-3194	10
89 stone/light grey	**1800-89**	1710-0-3449	10
	Cover Plate Mounting Type: Flush-mounted For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10
85 manhattan/ graphite	**1746/10-85**	1710-0-3523	10
89 stone/light grey	**1746/10-89**	1710-0-3527	10
	Cover Plate Mounting Type: Flush-mounted With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ivory white	**1746-82**	1710-0-3149	10
84 davos/studio white	**1746-84**	1710-0-3167	10
85 manhattan/ graphite	**1746-85**	1710-0-3185	10
89 stone/light grey	**1746-89**	1710-0-3440	10
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
82 savanna/ivory white	**1748-82**	1710-0-3655	10
84 davos/studio white	**1748-84**	1710-0-3656	10
85 manhattan/ graphite	**1748-85**	1710-0-3657	10
89 stone/light grey	**1748-89**	1710-0-3658	10
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
82 savanna/ivory white	**1750-82**	1710-0-3148	10
84 davos/studio white	**1750-84**	1710-0-3166	10
85 manhattan/ graphite	**1750-85**	1710-0-3184	10
89 stone/light grey	**1750-89**	1710-0-3439	10

1) Lettering sheets 1799 18 and lettering software.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Equipotential Socket Outlet **2gang** Mounting Type: Flush-mounted Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². (German Standard DIN/IEC 601 Part 1. VDE 0750 Part 1 12.91) Connection bolts German Standard DIN 42801.		
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10
85 manhattan/ graphite	**2095 UC-85**	2495-0-0087	10
89 stone/light grey	**2095 UC-89**	2495-0-0088	10
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted With screw-type terminal. Fixed with central locknut. As cover for control units with a diameter of 22.5 mm Without claw.		
82 savanna/ivory white	**2533-82**	1724-0-4255	10
84 davos/studio white	**2533-84**	1724-0-4256	10
85 manhattan/ graphite	**2533-85**	1724-0-4257	10
89 stone/light grey	**2533-89**	1724-0-4258	10
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted for communication devices. With window 60.2 x 10.2 mm. Without claw.		
82 savanna/ivory white	**1758-82**	1724-0-2759	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100
85 manhattan/ graphite	**1758-85**	1724-0-2764	10
89 stone/light grey	**1758-89**	1724-0-2831	10

1) Lettering sheets 1799,1799 02,1799 19 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 EUC-82**	2011-0-3721	10/100
84 davos/studio white	**20 EUC-84**	2011-0-3725	10/100
85 manhattan/ graphite	**20 EUC-85**	2011-0-3729	10/100
89 stone/light grey	**20 EUC-89**	2011-0-3770	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] **with marking** Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
green (SV) RAL 6018	**20 EUC-13-82**	2011-0-3722	10
orange (ZSV) RAL 2004	**20 EUC-14-82**	2011-0-3723	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] **Shuttered** Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 EUCKS-82**	2013-0-5244	10/100
84 davos/studio white	**20 EUCKS-84**	2013-0-5245	10/100
85 manhattan/ graphite	**20 EUCKS-85**	2013-0-5246	10/100
89 stone/light grey	**20 EUCKS-89**	2013-0-5259	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Increased shock protection .

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] **with hinged lid.** Mounting Type: Flush-mounted With screwless terminal 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 EUK-82**	2018-0-1465	10
84 davos/studio white	**20 EUK-84**	2018-0-1467	10/100
85 manhattan/ graphite	**20 EUK-85**	2018-0-1469	10
89 stone/light grey	**20 EUK-89**	2018-0-1478	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] **with window** Mounting Type: Flush-mounted 2 P + E Size of marking plate: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 EUN-82**	2011-0-3726	10
84 davos/studio white	**20 EUN-84**	2011-0-3727	10
85 manhattan/ graphite	**20 EUN-85**	2011-0-3730	10
89 stone/light grey	**20 EUN-89**	2011-0-3773	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Busch-Protector® SCHUKO® Socket Outlet [1] **With overvoltage protection.** Mounting Type: Flush-mounted 2 P + E With integrated and external signalling contact. I_{SN} = 5 kA Device protection for technically sensitive terminals such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
82 ivory	**2310EUGL/VA-82-11**	2011-0-3831	1
84 studio white	**2310EUGL/VA-84-11**	2011-0-3833	1
85 manhattan/ graphite	**2310EUGL/VA-85-11**	2011-0-3834	1
89 stone/light grey	**2310EUGL/VA-89-11**	2011-0-3838	1

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] [3] **with marking "EDV"** Mounting Type: Flush-mounted With screwless terminal 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 EUCKS/DV-82**	2013-0-5267	10
84 davos/studio white	**20 EUCKS/DV-84**	2013-0-5268	10
85 manhattan/ graphite	**20 EUCKS/DV-85**	2013-0-5269	10
89 stone/light grey	**20 EUCKS/DV-89**	2013-0-5270	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection .

	SCHUKO® Socket Outlet [1] **With control light** Mounting Type: Flush-mounted 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	**2300 EUCGL-84**	2011-0-3807	10
13 green	**2300 EUCGL-13-84**	2011-0-3808	10
14 orange	**2300 EUCGL-14-84**	2011-0-3809	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	Cover Plate [1] Mounting Type: Flush-mounted As cover for socket outlets with earthing contact socket 2300 EUCGL-... Not intended for cutouts of diameter 45 mm without styling frame.		
84 davos/studio white	**2399 C-84**	2099-0-0204	10
13 green	**2399 C-13**	2099-0-0205	10
14 orange	**2399 C-14**	2099-0-0206	10

1) Only for replacement purposes.

	Socket Outlet **With earthing pin** Mounting Type: Flush-mounted With screwless terminal Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 MUC-82-500**	2017-0-0785	10/100
84 davos/studio white	**20 MUC-84-500**	2017-0-0786	10/100
85 manhattan/ graphite	**20 MUC-85-500**	2017-0-0787	10/100
89 stone/light grey	**20 MUC-89-500**	2017-0-0791	10/100

Product	Article-No.	Order-No.	Pack Qty
	Socket Outlet [1] [2] **With earthing pin** Mounting Type: Flush-mounted With screwless terminal Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	**20 MUCKS-82-500**	2017-0-0806	10
84 davos/studio white	**20 MUCKS-84-500**	2017-0-0807	10

1) Increased shock protection .
2) Manufactured on request.

	13 A Switch socket Outlet *) SP switched 1gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2 fits only in VDE-box CFBM122	
savanna/ivory white	**2190EUC-82**	delivery on request
aluminium silver	**2190EUC-83**	delivery on request
davos/studio white	**2190EUC-84**	delivery on request
manhattan/ graphite	**2190EUC-85**	delivery on request

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with remote sensor. for insert 1082 UF.		
82 savanna/ivory white	**1782-82**	1710-0-3150	10
84 davos/studio white	**1782-84**	1710-0-3168	10
85 manhattan/ graphite	**1782-85**	1710-0-3186	10
89 stone/light grey	**1782-89**	1710-0-3441	10

	Cover Plate Mounting Type: Flush-mounted As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
82 savanna/ivory white	**1780-82**	1710-0-3151	10
84 davos/studio white	**1780-84**	1710-0-3169	10
85 manhattan/ graphite	**1780-85**	1710-0-3187	10
89 stone/light grey	**1780-89**	1710-0-3442	10

	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted for room thermostat 1094 U, 1097 U		
82 savanna/ivory white	**1794-82**	1710-0-3543	10
84 davos/studio white	**1794-84**	1710-0-3544	10
85 manhattan/ graphite	**1794-85**	1710-0-3545	10
89 stone/light grey	**1794-89**	1710-0-3549	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **For room thermostat with break contact** Mounting Type: Flush-mounted with sliding switch for nightly room temperature reduction for thermostat 1095 U, 1096 U		
82 savanna/ivory white	**1795-82**	1710-0-3568	10
84 davos/studio white	**1795-84**	1710-0-3569	10
85 manhattan/ graphite	**1795-85**	1710-0-3570	10
89 stone/light grey	**1795-89**	1710-0-3574	10
	Busch Watchdog 180 flush mounted comfort sensor II [1] **with select-lens** Mounting Type: Flush-mounted For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Detection with animal access With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surveillance density: 18 sectors with 72 switching segments. Detection range: frontal: 12 m, lateral: 8 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10
85 manhattan/ graphite	**6800-85-104**	6800-0-2103	1/10
89 stone/light grey	**6800-89-104**	6800-0-2157	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Busch Watchdog 180 flush mounted comfort sensor II [1] [2] **with multi-lens** Mounting Type: Flush-mounted For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux , daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	**6800-82-104M**	6800-0-2100	1
84 davos/studio white	**6800-84-104M**	6800-0-2102	1/10
85 manhattan/ graphite	**6800-85-104M**	6800-0-2104	1
89 stone/light grey	**6800-89-104M**	6800-0-2158	1

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

	Box Mounting Type: Surface-mounted With base plate (in acc. with German organisation of property assurers, VDS) Box for units and cover plates with cover frame.		
	1gang		
82 savanna/ivory white	**1701-82**	1799-0-0896	10
84 davos/studio white	**1701-84**	1799-0-0897	10/100
85 manhattan/ graphite	**1701-85**	1799-0-0898	10
89 stone/light grey	**1701-89**	1799-0-0899	10
	2gang		
82 savanna/ivory white	**1702-82**	1799-0-0901	10
84 davos/studio white	**1702-84**	1799-0-0902	10
85 manhattan/ graphite	**1702-85**	1799-0-0903	10
89 stone/light grey	**1702-89**	1799-0-0904	10
	Trunking Adaptors **for SM box** Suitable for 1701-8x and 1702-8x. Channel dimension: 15 x 15 mm to 19 x 19 mm.		
82 savanna/ivory white	**2087-82**	1761-0-1494	10
84 davos/studio white	**2087-84**	1761-0-1495	10
85 manhattan/ graphite	**2087-85**	1761-0-1496	10
89 stone/light grey	**2087-89**	1761-0-1497	10

Further technical details
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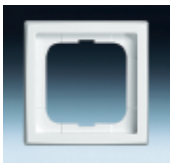
Product	Article-No.	Order-No.	Pack Qty
	Cable Entry for SM box Suitable for 1701-8x and 1702-8x.		
82 savanna/ivory white	**2088-82**	1761-0-1499	10
84 davos/studio white	**2088-84**	1761-0-1500	10
85 manhattan/ graphite	**2088-85**	1761-0-1501	10
89 stone/light grey	**2088-89**	1761-0-1502	10

Product	Article-No.	Order-No.	Pack Qty
	**Cover Frame** [1] **1gang** Mounting Type: Flush-mounted		
182 savanna/ivory white	**1721-182**	1754-0-4168	10/100
184 davos/studio white	**1721-184**	1754-0-4173	10/100
185 manhattan/ graphite	**1721-185**	1754-0-4178	10/100
189 stone/light grey	**1721-189**	1754-0-4197	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame 2gang Mounting Type: Flush-mounted For vertical or horizontal installation.		
182 savanna/ivory white	**1722-182**	1754-0-4169	10/100
184 davos/studio white	**1722-184**	1754-0-4174	10/100
185 manhattan/ graphite	**1722-185**	1754-0-4179	10/100
189 stone/light grey	**1722-189**	1754-0-4198	10/100

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame 3gang Mounting Type: Flush-mounted For vertical or horizontal installation.		
182 savanna/ivory white	**1723-182**	1754-0-4170	10/100
184 davos/studio white	**1723-184**	1754-0-4175	10/100
185 manhattan/ graphite	**1723-185**	1754-0-4180	10/100
189 stone/light grey	**1723-189**	1754-0-4199	10/100

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame 4gang Mounting Type: Flush-mounted For vertical or horizontal installation.		
182 savanna/ivory white	**1724-182**	1754-0-4171	1
184 davos/studio white	**1724-184**	1754-0-4176	1
185 manhattan/ graphite	**1724-185**	1754-0-4181	1
189 stone/light grey	**1724-189**	1754-0-4200	1

Product	Article-No.	Order-No.	Pack Qty
	Cover Frame 5-gang Mounting Type: Flush-mounted For vertical or horizontal installation.		
182 savanna/ivory white	**1725-182**	1754-0-4172	1
184 davos/studio white	**1725-184**	1754-0-4177	1
185 manhattan/ graphite	**1725-185**	1754-0-4182	1
189 stone/light grey	**1725-189**	1754-0-4201	1

Product		Article-No.	Order-No.	Pack Qty
		Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch		
81	anthracite	**1786-81**	1751-0-2926	10/100
82	savanna/ivory white	**1786-82**	1751-0-2741	10/100
83	aluminium silver	**1786-83**	1751-0-2943	10/100
84	davos/studio white	**1786-84**	1751-0-2749	10/100
89	stone/light grey	**1786-89**	1751-0-2880	10/100
		Switch Rocker Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81	anthracite	**1789-81**	1751-0-2928	10
82	savanna/ivory white	**1789-82**	1751-0-2813	10
83	aluminium silver	**1789-83**	1751-0-2945	10/100
84	davos/studio white	**1789-84**	1751-0-2814	10/100
89	stone/light grey	**1789-89**	1751-0-2882	10
		Switch Rocker Mounting Type: Flush-mounted with light symbol for flush mounted push switch.		
81	anthracite	**1789 LI-81**	1751-0-2931	10
82	savanna/ivory white	**1789 LI-82**	1751-0-2745	10
83	aluminium silver	**1789 LI-83**	1751-0-2951	10
84	davos/studio white	**1789 LI-84**	1751-0-2753	10/100
89	stone/light grey	**1789 LI-89**	1751-0-2885	10
		Switch Rocker Mounting Type: Flush-mounted With bell symbol for flush mounted push switch.		
81	anthracite	**1789 KI-81**	1751-0-2932	10
82	savanna/ivory white	**1789 KI-82**	1751-0-2746	10
83	aluminium silver	**1789 KI-83**	1751-0-2952	10
84	davos/studio white	**1789 KI-84**	1751-0-2754	10
89	stone/light grey	**1789 KI-89**	1751-0-2886	10
		Switch Rocker Mounting Type: Flush-mounted With key symbol for flush mounted push switch.		
81	anthracite	**1789 TR-81**	1751-0-2933	10
82	savanna/ivory white	**1789 TR-82**	1751-0-2747	10
83	aluminium silver	**1789 TR-83**	1751-0-2953	10
84	davos/studio white	**1789 TR-84**	1751-0-2755	10
89	stone/light grey	**1789 TR-89**	1751-0-2887	10

Product		Article-No.	Order-No.	Pack Qty
		Switch Rocker [1] [2] **with window** Mounting Type: Flush-mounted With pilot lamp for uniform illumination of the marking plate. for flush mounted switch 1g1w, 1g2w, intermediate, push switch Size of marking plate: 59.7 x 11.7 mm.		
81	anthracite	**1764 NLI-81**	1731-0-1552	10
82	savanna/ivory white	**1764 NLI-82**	1731-0-1876	10
83	aluminium silver	**1764 NLI-83**	1731-0-1948	10
84	davos/studio white	**1764 NLI-84**	1731-0-1877	10/100
89	stone/light grey	**1764 NLI-89**	1731-0-1886	10

1) See lettering sheet and lettering software.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1.

		Switch rocker with marking **with red neon lens** Mounting Type: Flush-mounted As cover for flush mounted 1gang 1way, DP, 3-pole and control 1gang 1way DP.		
81	anthracite	**1788-81**	1751-0-2927	10
82	savanna/ivory white	**1788-82**	1751-0-2742	10
83	aluminium silver	**1788-83**	1751-0-2954	10
84	davos/studio white	**1788-84**	1751-0-2750	10/100
89	stone/light grey	**1788-89**	1751-0-2881	10
		Switch Rocker **with closed surface** Mounting Type: Flush-mounted for flush mounted switch 2g1w, 2g push switch		
81	anthracite	**1785-81**	1751-0-2930	10
82	savanna/ivory white	**1785-82**	1751-0-2744	10/100
83	aluminium silver	**1785-83**	1751-0-2942	10/100
84	davos/studio white	**1785-84**	1751-0-2752	10/100
89	stone/light grey	**1785-89**	1751-0-2884	10
		Switch Rocker **with marking** Mounting Type: Flush-mounted for flush mounted switch 1g1w, 1g2w, intermediate, push switch With marking "Heizung-Notschalter".		
81	anthracite	**1789 H-81**	1751-0-2929	10
82	savanna/ivory white	**1789 H-82**	1751-0-2743	10
83	aluminium silver	**1789 H-83**	1751-0-2955	10
84	davos/studio white	**1789 H-84**	1751-0-2751	10
89	stone/light grey	**1789 H-89**	1751-0-2883	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For card switch for insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
81 anthracite	**1792-81**	1710-0-3639	10
82 savanna/ivory white	**1792-82**	1710-0-3640	10
83 aluminium silver	**1792-83**	1710-0-3670	10
84 davos/studio white	**1792-84**	1710-0-3641	10
89 stone/light grey	**1792-89**	1710-0-3643	10
	Switch Rocker **open for red pull button neon indicator** Mounting Type: Flush-mounted For pull switch 2020/xx US.		
81 anthracite	**1720-81**	1731-0-1914	10
82 savanna/ivory white	**1720-82**	1731-0-1915	10
83 aluminium silver	**1720-83**	1731-0-1949	10
84 davos/studio white	**1720-84**	1731-0-1916	10
89 stone/light grey	**1720-89**	1731-0-1918	10
	Cover Plate **for cooling element** Mounting Type: Flush-mounted For Universal Master Dimmer® power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
81 anthracite	**6541-81**	6599-0-2882	10
82 savanna/ivory white	**6541-82**	6599-0-2832	10
83 aluminium silver	**6541-83**	6599-0-2885	10
84 davos/studio white	**6541-84**	6599-0-2835	10
89 stone/light grey	**6541-89**	6599-0-2866	10
	Cover Plate [1] **with rotary knob, with indication lamp** Mounting Type: Flush-mounted For Busch Dimmer®. For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.		
81 anthracite	**6540-81-101**	6599-0-2880	10
82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
83 aluminium silver	**6540-83-101**	6599-0-2886	10
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100
89 stone/light grey	**6540-89-101**	6599-0-2864	10/100

1) Replacement neon lamp, Art. No. 3855.

Product	Article-No.	Order-No.	Pack Qty
	Busch Comfort Switch sensor [1] **with neon lamp.** Mounting Type: Flush-mounted For 2-wire insert 6815 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection with animal access Detection range: frontal: 5 m, lateral: 3 m Aperture angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6815-81**	6800-0-2284	1/10
82 savanna/ivory white	**6815-82**	6800-0-2285	1/10
83 aluminium silver	**6815-83**	6800-0-2342	1/10
84 davos/studio white	**6815-84**	6800-0-2286	1/10
89 stone/light grey	**6815-89**	6800-0-2291	1/10

1) Please order the respective flush mounted insert separately.

	IR-Control Cover **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
83 aluminium silver	**6066-83**	6020-0-1383	1/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	IR-Control Cover [1] **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
81 anthracite	**6067-81**	6020-0-1380	1/10
82 savanna/ivory white	**6067-82**	6020-0-1333	1
83 aluminium silver	**6067-83**	6020-0-1384	1/10
84 davos/studio white	**6067-84**	6020-0-1335	1
89 stone/light grey	**6067-89**	6020-0-1362	1

1) Touch-type Controller 6550 U-xxx non-illuminable

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] [2] [3] **with neon** Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
81 anthracite	**6543-81-101**	6599-0-2881	1/10
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
83 aluminium silver	**6543-83-101**	6599-0-2887	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10
89 stone/light grey	**6543-89-101**	6599-0-2865	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

	Control cover [1] **with neon** Mounting Type: Flush-mounted Combinable with Busch Memory 2gang Dimmer 6565 U.		
81 anthracite	**6545-81**	6599-0-2906	1/10
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
83 aluminium silver	**6545-83**	6599-0-2914	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10
89 stone/light grey	**6545-89**	6599-0-2913	1/10

1) Replacement neon lamp 3857.

	Switch Rocker **with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
81 anthracite	**1785 JA-81**	1751-0-2934	10
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
83 aluminium silver	**1785 JA-83**	1751-0-2944	10/100
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100
89 stone/light grey	**1785 JA-89**	1751-0-2888	10

	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. for inserts 2712/2713 U and 2722/2723 U.		
81 anthracite	**1740-81**	1710-0-3623	10
82 savanna/ivory white	**1740-82**	1710-0-3154	10
83 aluminium silver	**1740-83**	1710-0-3661	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
89 stone/light grey	**1740-89**	1710-0-3445	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
81 anthracite	**2542 DR/01-81**	1710-0-3644	10
82 savanna/ivory white	**2542 DR/01-82**	1710-0-3645	10
83 aluminium silver	**2542 DR/01-83**	1710-0-3671	10
84 davos/studio white	**2542 DR/01-84**	1710-0-3646	10
89 stone/light grey	**2542 DR/01-89**	1710-0-3648	10

	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
81 anthracite	**2542 DR/02-81**	1710-0-3649	10
82 savanna/ivory white	**2542 DR/02-82**	1710-0-3650	10
83 aluminium silver	**2542 DR/02-83**	1710-0-3672	10
84 davos/studio white	**2542 DR/02-84**	1710-0-3651	10
89 stone/light grey	**2542 DR/02-89**	1710-0-3653	10

	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U.		
81 anthracite	**1773-81**	1753-0-9906	10
82 savanna/ivory white	**1773-82**	1753-0-9907	10
83 aluminium silver	**1773-83**	1753-0-0030	10
84 davos/studio white	**1773-84**	1753-0-9908	10
89 stone/light grey	**1773-89**	1753-0-9910	10

	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. Only Start/Stop button can be operated.		
81 anthracite	**1773/10-81**	1753-0-9911	10
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
83 aluminium silver	**1773/10-83**	1753-0-0031	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10
89 stone/light grey	**1773/10-89**	1753-0-9916	10

	Cover Plate [1] **with window** Mounting Type: Flush-mounted with marking. For half-cylindrical type switches and Blind Control Switch/Push Switch. For inserts 2733 USL-101 and 2712/2713/2722/2723 USL-101.		
81 anthracite	**1755 SL/PZ-81-101**	1710-0-3626	10
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
83 aluminium silver	**1755 SL/PZ-83-101**	1710-0-3662	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10
89 stone/light grey	**1755 SL/PZ-89-101**	1710-0-3448	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
83 aluminium silver	**1773 JA-83**	1724-0-4260	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	Control cover Mounting Type: Flush-mounted For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal series insert 6402 U.		
81 anthracite	**6430-81-102**	6430-0-0326	1/10
82 savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
83 aluminium silver	**6430-83-102**	6430-0-0328	1/10
84 davos/studio white	**6430-84-102**	6430-0-0329	1/10
89 stone/light grey	**6430-89-102**	6430-0-0334	1/10
	Cover Plate Mounting Type: Flush-mounted For Busch Wind and Sun blind switch insert 6480 U-10x.		
81 anthracite	**1775 S/W-81-101**	1710-0-3625	10
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
83 aluminium silver	**1775 S/W-83-101**	1710-0-3663	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
89 stone/light grey	**1775 S/W-89-101**	1710-0-3447	10
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
83 aluminium silver	**6435-83**	6430-0-0305	10
84 davos/studio white	**6435-84**	6430-0-0306	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	Cover Plate [1] [2] Mounting Type: Flush-mounted As cover for flush mounted information light. For insert 2062 U. Size of information field 43 x 43 mm.		
81 anthracite	**1716-81**	1731-0-1921	1
82 savanna/ivory white	**1716-82**	1731-0-1922	1
83 aluminium silver	**1716-83**	1731-0-1950	1
84 davos/studio white	**1716-84**	1731-0-1923	1
89 stone/light grey	**1716-89**	1731-0-1928	1

1) Included with the cover are 46 different text labels and symbols.
2) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Blank Plate **with metal mounting plate** Mounting Type: Flush-mounted		
81 anthracite	**1742-81**	1710-0-3612	10
82 savanna/ivory white	**1742-82**	1710-0-3143	10
83 aluminium silver	**1742-83**	1710-0-3664	10
84 davos/studio white	**1742-84**	1710-0-3161	10/100
89 stone/light grey	**1742-89**	1710-0-3434	10
	Cover Plate [1] Mounting Type: Flush-mounted As cover for universal data connection boxes. Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (UAE design and IAE design). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1803-81**	1710-0-3616	10
82 savanna/ivory white	**1803-82**	1710-0-3147	10
83 aluminium silver	**1803-83**	1710-0-3674	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100
89 stone/light grey	**1803-89**	1710-0-3438	10

1) See lettering sheet and lettering software.

	Cover Plate [1] **2gang** Mounting Type: Flush-mounted As cover for universal data connection boxes. Art. No. 0215 0214 (Cat 3/ISDN), 0218 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, UAE design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1803-02-81**	1710-0-3615	10
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
83 aluminium silver	**1803-02-83**	1710-0-3610	10/100
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100
89 stone/light grey	**1803-02-89**	1710-0-3437	10

1) See lettering sheet and lettering software.

	Cover Plate Mounting Type: Flush-mounted for German telephone TAE insert for German telephone UAE/TAE insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
83 aluminium silver	**1766-83**	1710-0-3659	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
81 anthracite	**1751-81**	1723-0-0253	10
82 savanna/ivory white	**1751-82**	1723-0-0239	10
83 aluminium silver	**1751-83**	1723-0-0254	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100
89 stone/light grey	**1751-89**	1723-0-0249	10
	Cover Plate Mounting Type: Flush-mounted As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite	**1745-81**	1710-0-3624	10
82 savanna/ivory white	**1745-82**	1710-0-3155	10
83 aluminium silver	**1745-83**	1710-0-3675	10
84 davos/studio white	**1745-84**	1710-0-3173	10
89 stone/light grey	**1745-89**	1710-0-3446	10
	Cover Plate [1] [2] As cover for standard TV/FM socket outlets. Mounting Type: Flush-mounted With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite	**1743-81**	1724-0-4252	10
82 savanna/ivory white	**1743-82**	1724-0-2758	10
83 aluminium silver	**1743-83**	1724-0-4262	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100
89 stone/light grey	**1743-89**	1724-0-2830	10

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

	Cover Plate [1] **with window** Mounting Type: Flush-mounted For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of marking plate: 60.2 x 9.2 mm.		
81 anthracite	**1800-81**	1710-0-3627	10
82 savanna/ivory white	**1800-82**	1710-0-3158	10
83 aluminium silver	**1800-83**	1710-0-3676	10
84 davos/studio white	**1800-84**	1710-0-3176	10
89 stone/light grey	**1800-89**	1710-0-3449	10

1) Lettering sheets 1799 18 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	**1746/10-81**	1710-0-3628	10
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
83 aluminium silver	**1746/10-83**	1710-0-3677	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10
89 stone/light grey	**1746/10-89**	1710-0-3527	10
	Cover Plate Mounting Type: Flush-mounted With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	**1746-81**	1710-0-3618	10
82 savanna/ivory white	**1746-82**	1710-0-3149	10
83 aluminium silver	**1746-83**	1710-0-3678	10
84 davos/studio white	**1746-84**	1710-0-3167	10
89 stone/light grey	**1746-89**	1710-0-3440	10
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite	**1748-81**	1710-0-3654	10
82 savanna/ivory white	**1748-82**	1710-0-3655	10
83 aluminium silver	**1748-83**	1710-0-3673	10
84 davos/studio white	**1748-84**	1710-0-3656	10
89 stone/light grey	**1748-89**	1710-0-3658	10
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite	**1750-81**	1710-0-3617	10
82 savanna/ivory white	**1750-82**	1710-0-3148	10
83 aluminium silver	**1750-83**	1710-0-3679	10
84 davos/studio white	**1750-84**	1710-0-3166	10
89 stone/light grey	**1750-89**	1710-0-3439	10
	Equipotential Socket Outlet **2gang** Mounting Type: Flush-mounted Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². (German Standard DIN/IEC 601 Part 1. VDE 0750 Part 1 12.91) Connection bolts German Standard DIN 42801.		
81 anthracite	**2095 UC-81**	2495-0-0084	10
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
83 aluminium silver	**2095 UC-83**	2495-0-0089	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10
89 stone/light grey	**2095 UC-89**	2495-0-0088	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted With screw-type terminal. Fixed with central locknut. As cover for control units with a diameter of 22.5 mm Without claw.		
81 anthracite	**2533-81**	1724-0-4254	10
82 savanna/ivory white	**2533-82**	1724-0-4255	10
83 aluminium silver	**2533-83**	1724-0-4261	10
84 davos/studio white	**2533-84**	1724-0-4256	10
89 stone/light grey	**2533-89**	1724-0-4258	10
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted for communication devices. With window 60.2 x 10.2 mm. Without claw.		
81 anthracite	**1758-81**	1724-0-4253	10
82 savanna/ivory white	**1758-82**	1724-0-2759	10
83 aluminium silver	**1758-83**	1724-0-4263	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100
89 stone/light grey	**1758-89**	1724-0-2831	10

1) Lettering sheets 1799,1799 02,1799 19 and lettering software.

	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
81 anthracite	**1749-81**	1710-0-3614	10
82 savanna/ivory white	**1749-82**	1710-0-3145	10
83 aluminium silver	**1749-83**	1710-0-3665	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100
89 stone/light grey	**1749-89**	1710-0-3436	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

	SCHUKO® Socket Outlet [1] Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUC-81**	2011-0-3801	10/100
82 savanna/ivory white	**20 EUC-82**	2011-0-3721	10/100
83 aluminium silver	**20 EUC-83**	2011-0-3798	10/100
84 davos/studio white	**20 EUC-84**	2011-0-3725	10/100
89 stone/light grey	**20 EUC-89**	2011-0-3770	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® Socket Outlet [1] [2] **Shuttered** Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUCKS-81**	2013-0-5265	10
82 savanna/ivory white	**20 EUCKS-82**	2013-0-5244	10/100
83 aluminium silver	**20 EUCKS-83**	2013-0-5272	10/100
84 davos/studio white	**20 EUCKS-84**	2013-0-5245	10/100
89 stone/light grey	**20 EUCKS-89**	2013-0-5259	10/100

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Increased shock protection .

	SCHUKO® Socket Outlet [1] **with marking** Mounting Type: Flush-mounted With screwless terminal 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
green (SV) RAL 6018	**20 EUC-13-82**	2011-0-3722	10
orange (ZSV) RAL 2004	**20 EUC-14-82**	2011-0-3723	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] **with hinged lid.** Mounting Type: Flush-mounted With screwless terminal 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUK-81**	2018-0-1486	10
82 savanna/ivory white	**20 EUK-82**	2018-0-1465	10
83 aluminium silver	**20 EUK-83**	2018-0-1487	10
84 davos/studio white	**20 EUK-84**	2018-0-1467	10/100
89 stone/light grey	**20 EUK-89**	2018-0-1478	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] **with window** Mounting Type: Flush-mounted 2 P + E Size of marking plate: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	**20 EUN-81**	2011-0-3802	10
82 savanna/ivory white	**20 EUN-82**	2011-0-3726	10
83 aluminium silver	**20 EUN-83**	2011-0-3810	10
84 davos/studio white	**20 EUN-84**	2011-0-3727	10
89 stone/light grey	**20 EUN-89**	2011-0-3773	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty

Busch-Protector® SCHUKO® Socket Outlet [1]
With overvoltage protection.
Mounting Type: Flush-mounted
2 P + E
With integrated and external signalling contact.
I_{SN} = 5 kA
Device protection for technically sensitive terminals such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
Arrestor test class: classification Type 2
Rated voltage: 250 V~
Secondary: 250 V~
Rated current: 16 A

81	anthracite	**2310EUGL/VA-81-11**	2011-0-3830	1
82	ivory	**2310EUGL/VA-82-11**	2011-0-3831	1
83	aluminium silver	**2310EUGL/VA-83-11**	2011-0-3832	1
84	studio white	**2310EUGL/VA-84-11**	2011-0-3833	1
89	stone/light grey	**2310EUGL/VA-89-11**	2011-0-3838	1

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

SCHUKO® Socket Outlet [1] [2] [3]
with marking "EDV"
Mounting Type: Flush-mounted
With screwless terminal
2 P + E
Shuttered.
Rated voltage: 250 V~
Rated current: 16 A

81	anthracite	**20 EUCKS/DV-81**	2013-0-5266	10
82	savanna/ivory white	**20 EUCKS/DV-82**	2013-0-5267	10
83	aluminium silver	**20 EUCKS/DV-83**	2013-0-5273	10/100
84	davos/studio white	**20 EUCKS/DV-84**	2013-0-5268	10
89	stone/light grey	**20 EUCKS/DV-89**	2013-0-5270	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection .

SCHUKO® Socket Outlet [1]
With control light
Mounting Type: Flush-mounted
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

83	aluminium silver	**2300 EUCGL-83**	2011-0-3814	10/100
84	davos/studio white	**2300 EUCGL-84**	2011-0-3807	10
13	green	**2300 EUCGL-13-84**	2011-0-3808	10
14	orange	**2300 EUCGL-14-84**	2011-0-3809	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

Cover Plate [1]
Mounting Type: Flush-mounted
As cover for socket outlets with earthing contact socket 2300 EUCGL-...
Not intended for cutouts of diameter 45 mm without styling frame.

83	aluminium silver	**2399 C-83**	2099-0-0237	10
84	davos/studio white	**2399 C-84**	2099-0-0204	10
13	green	**2399 C-13**	2099-0-0205	10
14	orange	**2399 C-14**	2099-0-0206	10

1) Only for replacement purposes.

Product	Article-No.	Order-No.	Pack Qty

13 A Switch socket Outlet *)
SP switched
1gang
Rated voltage: 250 V~
Rated current: 13 A
BS 1363: part2
fits only in VDE-box CFBM122

	savanna/ivory white	**2190EUC-82**	delivery on request
	aluminium silver	**2190EUC-83**	delivery on request
	davos/studio white	**2190EUC-84**	delivery on request
	manhattan/ graphite	**2190EUC-85**	delivery on request

Cover Plate
Mounting Type: Flush-mounted
As cover for flush mounted room thermostat with remote sensor.
for insert 1082 UF.

81	anthracite	**1782-81**	1710-0-3619	10
82	savanna/ivory white	**1782-82**	1710-0-3150	10
83	aluminium silver	**1782-83**	1710-0-3666	10
84	davos/studio white	**1782-84**	1710-0-3168	10
89	stone/light grey	**1782-89**	1710-0-3441	10

Cover Plate
Mounting Type: Flush-mounted
As cover for flush mounted room thermostat with make contact and time control.
For inserts 1080 U and 1080 UF.

81	anthracite	**1780-81**	1710-0-3620	10
82	savanna/ivory white	**1780-82**	1710-0-3151	10
83	aluminium silver	**1780-83**	1710-0-3667	10
84	davos/studio white	**1780-84**	1710-0-3169	10
89	stone/light grey	**1780-89**	1710-0-3442	10

Cover Plate
For room thermostat with break contact
Mounting Type: Flush-mounted
for room thermostat 1094 U, 1097 U

81	anthracite	**1794-81**	1710-0-3629	10
82	savanna/ivory white	**1794-82**	1710-0-3543	10
83	aluminium silver	**1794-83**	1710-0-3668	10
84	davos/studio white	**1794-84**	1710-0-3544	10
89	stone/light grey	**1794-89**	1710-0-3549	10

Cover Plate
For room thermostat with break contact
Mounting Type: Flush-mounted
with sliding switch for nightly room temperature reduction
for thermostat 1095 U, 1096 U

81	anthracite	**1795-81**	1710-0-3630	10
82	savanna/ivory white	**1795-82**	1710-0-3568	10
83	aluminium silver	**1795-83**	1710-0-3669	10
84	davos/studio white	**1795-84**	1710-0-3569	10
89	stone/light grey	**1795-89**	1710-0-3574	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Busch Watchdog 180 flush mounted comfort sensor II [1] **with select-lens** Mounting Type: Flush-mounted For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Detection with animal access With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surveillance density: 18 sectors with 72 switching segments. Detection range: frontal: 12 m, lateral: 8 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6800-81-104**	6800-0-2268	1
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
83 aluminium silver	**6800-83-104**	6800-0-2325	1
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10
89 stone/light grey	**6800-89-104**	6800-0-2157	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Busch Watchdog 180 flush mounted comfort sensor II [1] [2] **with multi-lens** Mounting Type: Flush-mounted For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux , daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	**6800-81-104M**	6800-0-2269	1
82 savanna/ivory white	**6800-82-104M**	6800-0-2100	1
83 aluminium silver	**6800-83-104M**	6800-0-2327	1
84 davos/studio white	**6800-84-104M**	6800-0-2102	1/10
89 stone/light grey	**6800-89-104M**	6800-0-2158	1

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	Box **1gang** Mounting Type: Surface-mounted With base plate (in acc. with German organisation of property assurers, VDS) Box for units and cover plates with cover frame.		
81 anthracite	**1701-81**	1799-0-0895	10
82 savanna/ivory white	**1701-82**	1799-0-0896	10
83 aluminium silver	**1701-83**	1799-0-0905	10
84 davos/studio white	**1701-84**	1799-0-0897	10/100
89 stone/light grey	**1701-89**	1799-0-0899	10
	2gang		
81 anthracite	**1702-81**	1799-0-0900	10
82 savanna/ivory white	**1702-82**	1799-0-0901	10
83 aluminium silver	**1702-83**	1799-0-0906	10
84 davos/studio white	**1702-84**	1799-0-0902	10
89 stone/light grey	**1702-89**	1799-0-0904	10
	Trunking Adaptors **for SM box** Suitable for 1701-8x and 1702-8x. Channel dimension: 15 x 15 mm to 19 x 19 mm.		
81 anthracite	**2087-81**	1761-0-1493	10
82 savanna/ivory white	**2087-82**	1761-0-1494	10
83 aluminium silver	**2087-83**	1761-0-1504	10
84 davos/studio white	**2087-84**	1761-0-1495	10
89 stone/light grey	**2087-89**	1761-0-1497	10
	Cable Entry **for SM box** Suitable for 1701-8x and 1702-8x.		
81 anthracite	**2088-81**	1761-0-1498	10
82 savanna/ivory white	**2088-82**	1761-0-1499	10
83 aluminium silver	**2088-83**	1761-0-1505	10
84 davos/studio white	**2088-84**	1761-0-1500	10
89 stone/light grey	**2088-89**	1761-0-1502	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	future® linear cover frame 1gang Mounting Type: Flush-mounted With small corner radii for trunking systems.		
181 anthracite	**1721-181K**	1754-0-4240	10
182 savanna/ivory white	**1721-182K**	1754-0-4230	10/100
184 davos/studio white	**1721-184K**	1754-0-4235	10/100
189 stone/light grey	**1721-189K**	1754-0-4245	10
183 aluminium silver	**1721-183K**	1754-0-4301	10/100
	future® linear cover frame 2gang Mounting Type: Flush-mounted With small corner radii for trunking systems.		
181 anthracite	**1722-181K**	1754-0-4241	10
182 savanna/ivory white	**1722-182K**	1754-0-4231	10
184 davos/studio white	**1722-184K**	1754-0-4236	10
189 stone/light grey	**1722-189K**	1754-0-4246	10
183 aluminium silver	**1722-183K**	1754-0-4302	10/100
	future® linear cover frame 3gang Mounting Type: Flush-mounted With small corner radii for trunking systems.		
181 anthracite	**1723-181K**	1754-0-4242	10
182 savanna/ivory white	**1723-182K**	1754-0-4232	10
184 davos/studio white	**1723-184K**	1754-0-4237	10
189 stone/light grey	**1723-189K**	1754-0-4247	10
183 aluminium silver	**1723-183K**	1754-0-4308	10/100
	future® linear cover frame 4gang Mounting Type: Flush-mounted With small corner radii for trunking systems.		
181 anthracite	**1724-181K**	1754-0-4243	10
182 savanna/ivory white	**1724-182K**	1754-0-4233	10
184 davos/studio white	**1724-184K**	1754-0-4238	10
189 stone/light grey	**1724-189K**	1754-0-4248	10
183 aluminium silver	**1724-183K**	1754-0-4309	10
	future® linear cover frame 5-gang Mounting Type: Flush-mounted With small corner radii for trunking systems.		
181 anthracite	**1725-181K**	1754-0-4244	1
182 savanna/ivory white	**1725-182K**	1754-0-4234	1
184 davos/studio white	**1725-184K**	1754-0-4239	1
189 stone/light grey	**1725-189K**	1754-0-4249	1/1
183 aluminium silver	**1725-183K**	1754-0-4310	1

Product	Article-No.	Order-No.	Pack Qty

Further technical details
www.busch-jaeger.com

Communication is the gateway to the world.

Phone, TV and Internet – modern life is hard to imagine without them. But lacking the right connections between sender and receiver the signals never arrive. Thus sustainable solutions for modern communication devices are in demand!

Given the sheer number of different tasks a trouble-free business operation requires fast and convenient access to data. Corporate data networks enable the flexible use of peripheral devices.

Modern living at home requires an individual and variable arrangement of connectors for the transmission of communication, Hifi, audio and video signals.

With Busch-Jaeger solutions you can be sure that the required connectors fit harmoniously and elegantly into the existing electrical installation.

Material: Duroplast/Thermoplast (PC) cover, impact-resistant (thermoplastic only), UV-resistant, weather-proof, PVC and halogen free.

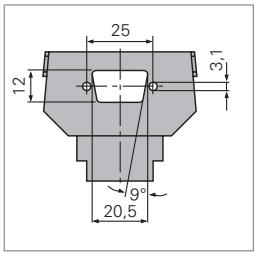
Communications Systems

Satellite Co-axial Socket
Outlet/Radio/TV.
Switch Range future®. Colour: davos.

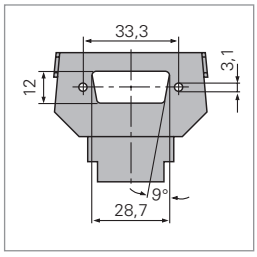
Connections create independence.

From the computer network to the patient call system: communication has many aspects and systems available today make life easier, more mobile and more global.

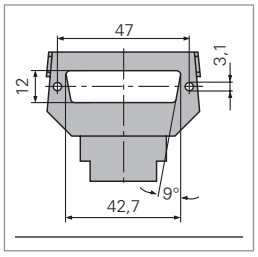
Socket Fixing Plate for



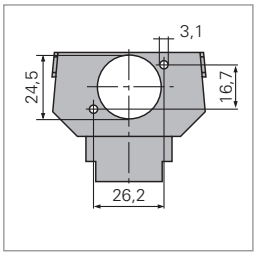
9-pin D-Type Connector and VGA 15-pin
Busch-Jaeger
1850 EB



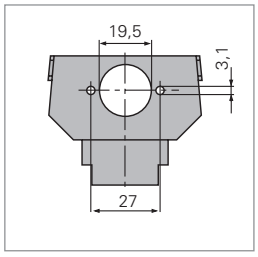
15-pin D-type Connector Busch-Jaeger
1851 EB



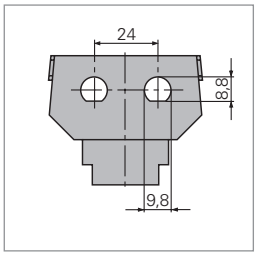
25-pin D-type Connector Busch-Jaeger
1852 EB



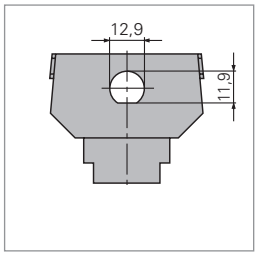
XLR-Installation Socket Audio
Busch-Jaeger
1853 EB



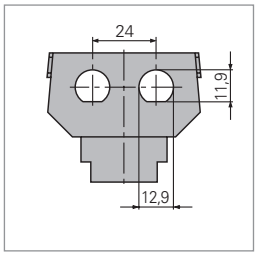
XLR-Installation Plug Audio
Busch-Jaeger
1854 EB



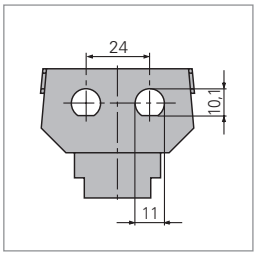
2 x BNC/TNC-Socket for Soldering
Busch-Jaeger
1855 EB



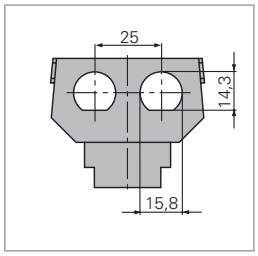
BNC-/TNC-KCable Installation Socket
Busch-Jaeger
1856 EB



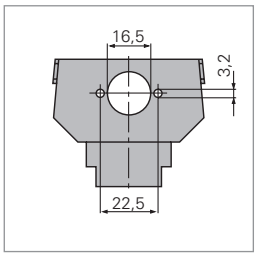
2 x BNC-/TNC-cable-Installation Socket
Busch-Jaeger
1857 EB



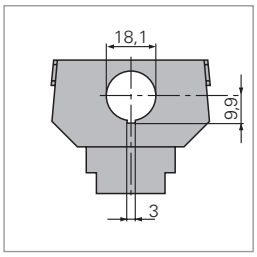
2 x BNC-/Installation Socket
Busch-Jaeger
1858 EB



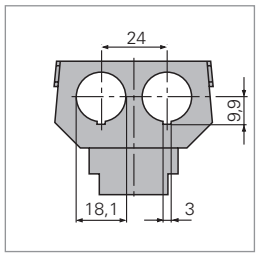
2 x UHF-Socket
Busch-Jaeger
1859 EB



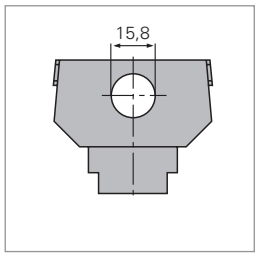
Diode Installation Socket for Screw Mounting
Busch-Jaeger
1860 EB



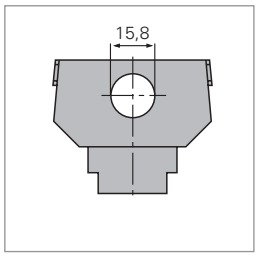
Diode installation Socket/-Plug
Busch-Jaeger
1861 EB



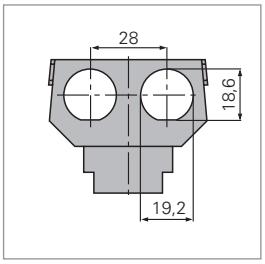
2 x Diode Installation Socket/-Plug
Busch-Jaeger
1862 EB



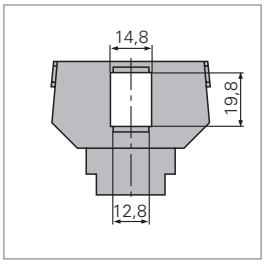
UHF-Socket
Busch-Jaeger
1863 EB



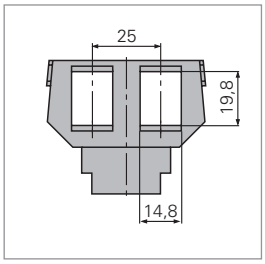
Twinax Panel Jack
Busch-Jaeger
1864 EB



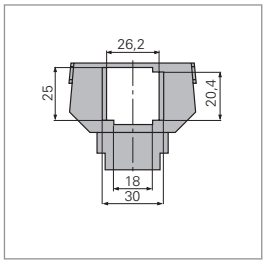
2 x Twinax Panel Jack
Busch-Jaeger
1865 EB



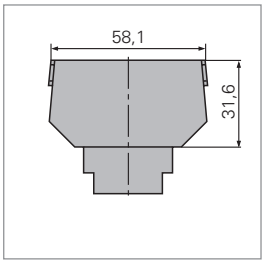
1x 6- &. 8-pole
Modular Jack
Busch-Jaeger
1866 EB



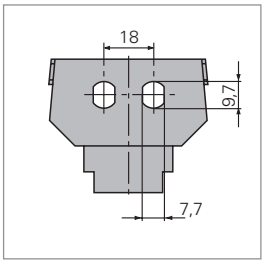
2 x 6- &. 8-pole
Modular Jack
Busch-Jaeger
1867 EB



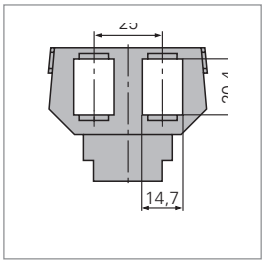
4-pole Data Connector
LAN
(Local Area Network)
Busch-Jaeger
1868 EB



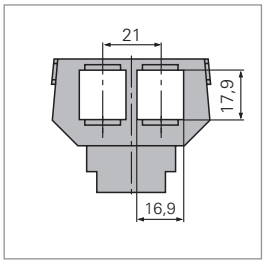
Enclosed
Busch-Jaeger
1869 EB



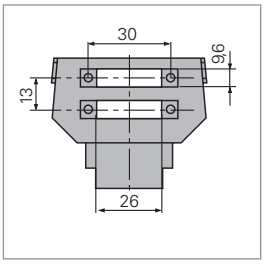
LWL-Installation
Connector
2 x ST
Busch-Jaeger
1870 EB



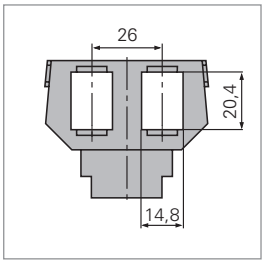
2 x 6- &. 8-pole
Modular Jack
Busch-Jaeger
1871 EB



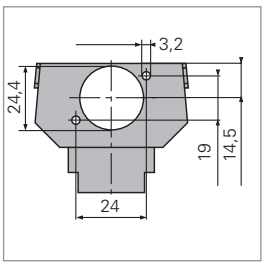
2 x 6- &. 8-pole
Modular Jack
Busch-Jaeger
1872 EB



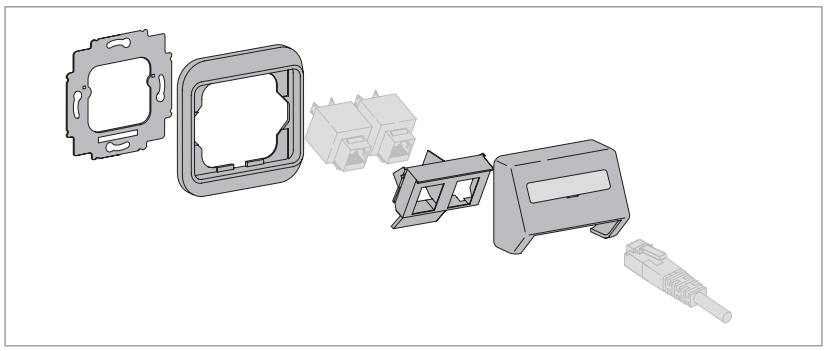
LWL-Installation
Connector
2 x Duplex SC
Busch-Jaeger
1874 EB



2 x 8-pole Modular Jack
Cat. 5
Busch-Jaeger
1875 EB



XLR-Panel Plug/
-Jack Series D
Busch-Jaeger
1876 EB



How it all connects
Different plugs and jacks from other companies (here shown in grey) can be capped using a cover plate which matches the switch range. Where this is not possible, special fixing plates, supporting frames and adapters can be used which Busch-Jaeger can supply in many variations. In this way visual continuity is ensured.

Product	Article-No.	Order-No.	Pack Qty

Universal
Data-Connection Boxes [1])
1gang
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

0213	0230-0-0227	10/100

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Universal data connection box with down-leading outlet [1])
2 gang internally parallel connected
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

0214	0230-0-0235	10/100

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Universal data connection box with down-leading outlet [1])
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Screw contacts
with claw

0215	0230-0-0243	10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack Qty

Data-Connection Boxes, RJ45, cat.5e, shielded [1])
1gang
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

0216	0230-0-0276	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) To fit cover plate 1803-xxx.

Data-Connection Boxes, RJ45, cat.5e, shielded [1])
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) in accordance with TIA/EIA-568-A-5:1999.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

0217	0230-0-0284	10/100

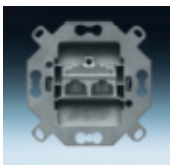
Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) Suitable for cover plate 1803-02-xxx.



Data-Connection Boxes, RJ45, cat 6a, shielded [1] [2])
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
For channel installation.
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 6 in accordance with DIN EN 50173-1:2003-06.
Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7.
Marking in accordance with EIA/TIA 568 A and B.
Design according to DIN EN 60 603-7, IEC 60 603-7.
Shielding according to DIN EN 55022, Class B.
Cable entry freely selectable.
Up to 500 MHz on all pairs of wires.
Suitable for 10-Gigabit Ethernet.
For 8-pole plug RJ 45 only.
Without claw.
Installation depth: 38 mm

0218	0230-0-0376	1/10

1) Suitable for cover plate 1803-02-xxx.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted with down-leading outlet. As cover for universal data connection boxes. Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck.		
	alpha bs®		
20 platinum	**1803-20**	1753-0-8410	10
21 bronze	**1803-21**	1753-0-8428	10
22G ivory	**1803-22G**	1710-0-2603	10
23G gold	**1803-23G**	1710-0-3281	
24 studio white	**1803-24**	1753-0-8436	10
260 palladium	**1803-260**	1710-0-3322	10
266 titanium	**1803-266**	1710-0-3348	10
	alpha exclusive®		
22G ivory	**1803-22G**	1710-0-2603	10
24G studio white	**1803-24G**	1710-0-2025	10
233 amber	**1803-233**	1710-0-3374	10
255 obsidian	**1803-255**	1710-0-3400	10
260 palladium	**1803-260**	1710-0-3322	10
266 titanium	**1803-266**	1710-0-3348	10
	Cover Plate Mounting Type: Flush-mounted As cover for universal data connection boxes. Art.-No. 0213 (Cat 3/ISDN), 0216 (Cat 5e/6 data technology) and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (UAE design and IAE design). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
	future® [1]		
82 savanna/ivory white	**1803-82**	1710-0-3147	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100
85 manhattan/ graphite	**1803-85**	1710-0-3183	10
89 stone/light grey	**1803-89**	1710-0-3438	10
	future® linear [1]		
81 anthracite	**1803-81**	1710-0-3616	10
82 savanna/ivory white	**1803-82**	1710-0-3147	10
83 aluminium silver	**1803-83**	1710-0-3674	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100
89 stone/light grey	**1803-89**	1710-0-3438	10
	carat®		
81 anthracite	**1803-81**	1710-0-3616	10
82 savanna/ivory white	**1803-82**	1710-0-3147	10
84 davos/studio white	**1803-84**	1710-0-3165	10/100
	pure stainless steel [1]		
866 stainless steel	**1803-866**	1710-0-3763	10/100

1) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **2gang** Mounting Type: Flush-mounted As cover for universal data connection boxes. Art. No. 0215 0214 (Cat 3/ISDN), 0218 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, UAE design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). with down-leading outlet. With window. Size of marking plate: 60.2 x 9.2 mm.		
	future® [1]		
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100
85 manhattan/ graphite	**1803-02-85**	1710-0-3182	10
89 stone/light grey	**1803-02-89**	1710-0-3437	10
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
	future® linear [1]		
81 anthracite	**1803-02-81**	1710-0-3615	10
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
83 aluminium silver	**1803-02-83**	1710-0-3610	10/100
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100
89 stone/light grey	**1803-02-89**	1710-0-3437	10
	carat®		
81 anthracite	**1803-02-81**	1710-0-3615	10
82 savanna/ivory white	**1803-02-82**	1710-0-3146	10
84 davos/studio white	**1803-02-84**	1710-0-3164	10/100
	pure stainless steel [1]		
866 stainless steel	**1803-02-866**	1710-0-3764	10/100

1) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	TAE connection box **6 F+N** Mounting Type: Flush-mounted For 1 telephone or 1 transmission unit (e.g. fax, answering machine, modem etc.) 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	**0241/02**	0230-0-0385	10
alpine white	**0241/04**	0230-0-0386	10
black	**0241/05**	0230-0-0387	10
	TAE connection box **2x6/6 NFF** Mounting Type: Flush-mounted For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.) 2 x 6/6 pole for 2 subscriber lines. Design in accordance with DIN 41715. Screw contacts with claw		
white	**0242/02**	0230-0-0388	10
alpine white	**0242/04**	0230-0-0389	10
black	**0242/05**	0230-0-0390	10

Product	Article-No.	Order-No.	Pack Qty
	TAE connection box 3x6 NFN Mounting Type: Flush-mounted For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.) 3 x 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	**0243/02**	0230-0-0391	10
alpine white	**0243/04**	0230-0-0392	10
black	**0243/05**	0230-0-0393	10
	Universal data connection box 8(6)/TAE 6F+N - connection box [1] **2 x 6-pole** Mounting Type: Flush-mounted with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (TAE): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	**UAE 8(6)TAE 6 F+N**	0230-0-0381	10/100

1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.

	Loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm². with claw		
anthracite	**0247**	0230-0-0382	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

	Stereo loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm². Pooling with coloured marking. with claw		
anthracite	**0248**	0230-0-0383	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted for German telephone TAE insert for German telephone UAE/TAE insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	future®		
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
85 manhattan/ graphite	**1766-85**	1710-0-3180	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100
	future® linear		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
83 aluminium silver	**1766-83**	1710-0-3659	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100
	carat®		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
	pure stainless steel		
866 stainless steel	**1766-866**	1710-0-3765	10/100
	Cover Plate Mounting Type: Flush-mounted As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
	future®		
82 savanna/ivory white	**1745-82**	1710-0-3155	10
84 davos/studio white	**1745-84**	1710-0-3173	10
85 manhattan/ graphite	**1745-85**	1710-0-3191	10
89 stone/light grey	**1745-89**	1710-0-3446	10
	future® linear		
81 anthracite	**1745-81**	1710-0-3624	10
82 savanna/ivory white	**1745-82**	1710-0-3155	10
83 aluminium silver	**1745-83**	1710-0-3675	10
84 davos/studio white	**1745-84**	1710-0-3173	10
89 stone/light grey	**1745-89**	1710-0-3446	10
	carat®		
81 anthracite	**1745-81**	1710-0-3624	10
82 savanna/ivory white	**1745-82**	1710-0-3155	10
84 davos/studio white	**1745-84**	1710-0-3173	10
	pure stainless steel		
866 stainless steel	**1745-866**	1710-0-3766	10

Product	Article-No.	Order-No.	Pack Qty
	Satellite co-axial outlets **2 connectors** Mounting Type: Flush-mounted Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	dead-end feeder **0230-101**	0230-0-0250	10/100
	Loop through type **0231-101**	0230-0-0268	10
	Satellite co-axial outlets Radio/TV/SAT Mounting Type: Flush-mounted broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	3gang dead-end feeder **0232-101**	0230-0-0384	10/100
	Terminating resistor **75 Ohm**		
	0239	0230-0-0201	10/100
	Cover Plate [1] [2] **As cover for standard TV/FM socket outlets.** Mounting Type: Flush-mounted With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
	future®		
82 savanna/ivory white	**1743-82**	1724-0-2758	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100
85 manhattan/ graphite	**1743-85**	1724-0-2763	10
89 stone/light grey	**1743-89**	1724-0-2830	10
	future® linear		
81 anthracite	**1743-81**	1724-0-4252	10
82 savanna/ivory white	**1743-82**	1724-0-2758	10
83 aluminium silver	**1743-83**	1724-0-4262	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100
89 stone/light grey	**1743-89**	1724-0-2830	10
	carat®		
81 anthracite	**1743-81**	1724-0-4252	10
82 savanna/ivory white	**1743-82**	1724-0-2758	10
84 davos/studio white	**1743-84**	1724-0-2774	10/100
	pure stainless steel		
866 stainless steel	**1743-866**	1724-0-4271	10/100

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

Product	Article-No.	Order-No.	Pack Qty
	TV Outlet [1] **Single, non isolated** Mounting Type: Flush-mounted for connection to a TV or FM co-axial aerial lead Rated frequency: 5000 Hz/860000 Hz BS 3041, IEC 60169-2		
20 platinum	**1743-01 BS-20**	1724-0-2833	10
21 bronze	**1743-01 BS-21**	1724-0-2836	10
22 ivory	**1743-01 BS-22-500**	1724-0-2732	10
23G gold	**1743-01 BS-23G**	1724-0-2851	10
24 studio white	**1743-01 BS-24-500**	1724-0-2733	10
260 palladium	**1743-01 BS-260**	1724-0-2820	10
266 titanium	**1743-01 BS-266**	1724-0-2823	10

Mounting boxes: 16 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) With BS-type metal mount. plate.

Product	Article-No.	Order-No.	Pack Qty
	TV / FM Outlet [1] **Twin, non isolated** Mounting Type: Flush-mounted For connection to each of two separate TV/FM coaxial aerial leads. Rated frequency: 5000 Hz/860000 Hz BS 3041, IEC 60169-2		
20 platinum	**1743-02 BS-20-500**	1724-0-2835	10
21 bronze	**1743-02 BS-21-500**	1724-0-2838	10
22 ivory	**1743-02 BS-22-500**	1724-0-2742	10
24 studio white	**1743-02 BS-24-500**	1724-0-2743	10
260 palladium	**1743-02 BS-260-500**	1724-0-2821	10
266 titanium	**1743-02 BS-266-500**	1724-0-2824	10

Mounting boxes: 16 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: for 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) With BS-type metal mount. plate.

Product	Article-No.	Order-No.	Pack Qty
	Module Carrier Mounting Type: Built-in unit For Art. No. 1801-...		
alpine white	**1801 EB-10**	1764-0-0323	200
anthracite	**1801 EB-16**	1764-0-0331	1

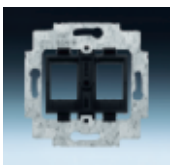
Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] with window Mounting Type: Flush-mounted For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of marking plate: 60.2 x 9.2 mm.		
	future®		
82 savanna/ivory white	**1800-82**	1710-0-3158	10
84 davos/studio white	**1800-84**	1710-0-3176	10
85 manhattan/ graphite	**1800-85**	1710-0-3194	10
89 stone/light grey	**1800-89**	1710-0-3449	10
	future® linear		
81 anthracite	**1800-81**	1710-0-3627	10
82 savanna/ivory white	**1800-82**	1710-0-3158	10
83 aluminium silver	**1800-83**	1710-0-3676	10
84 davos/studio white	**1800-84**	1710-0-3176	10
89 stone/light grey	**1800-89**	1710-0-3449	10
	carat®		
81 anthracite	**1800-81**	1710-0-3627	10
82 savanna/ivory white	**1800-82**	1710-0-3158	10
84 davos/studio white	**1800-84**	1710-0-3176	10
	pure stainless steel		
866 stainless steel	**1800-866**	1710-0-3767	10

1) Lettering sheets 1799 18 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Supporting Frame [1] with green insert Mounting Type: Flush-mounted For 2 modular jack inserts. For systems: AVAYA (AT&T / Lucent Technologies), Giga Speed, PowerSUM, MGS 300 BH-xx, M1 BH-xx, MPS 100E-xx With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114. Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm Without claw.		
	1810	1753-0-8048	10/100

1) For further information, please refer on the Internet.

Product	Article-No.	Order-No.	Pack Qty
	**Supporting Frame [1] with black insert** Mounting Type: Flush-mounted For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, CombiNet, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

1) For further information, please refer on the Internet.

Product	Article-No.	Order-No.	Pack Qty
	Supporting Frame [1] with blue insert Mounting Type: Flush-mounted For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100

1) For further information, please refer on the Internet.

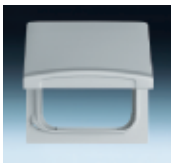
Product	Article-No.	Order-No.	Pack Qty
	Supporting Frame [1] with red insert Mounting Type: Flush-mounted For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. For systems: AMP / tyco Electronics, BTR, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100

1) For further information, please refer on the Internet.

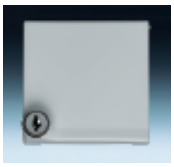
Product	Article-No.	Order-No.	Pack Qty
	Modular-Jack Insert 6-pole Cat. 3 (AMP-No. 216000-2) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).		
	0210	0225-0-0078	10

Product	Article-No.	Order-No.	Pack Qty
	Modular-Jack Insert 8-pole Cat. 3 (AMP-No. 216005-4) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).		
	0211	0225-0-0086	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future®		
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10
85 manhattan/ graphite	**1746/10-85**	1710-0-3523	10
89 stone/light grey	**1746/10-89**	1710-0-3527	10
	future® linear		
81 anthracite	**1746/10-81**	1710-0-3628	10
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
83 aluminium silver	**1746/10-83**	1710-0-3677	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10
89 stone/light grey	**1746/10-89**	1710-0-3527	10
	carat®		
81 anthracite	**1746/10-81**	1710-0-3628	10
82 savanna/ivory white	**1746/10-82**	1710-0-3521	10
84 davos/studio white	**1746/10-84**	1710-0-3522	10
	pure stainless steel		
866 stainless steel	**1746/10-866**	1710-0-3768	10
	Cover Plate Mounting Type: Flush-mounted With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future®		
82 savanna/ivory white	**1746-82**	1710-0-3149	10
84 davos/studio white	**1746-84**	1710-0-3167	10
85 manhattan/ graphite	**1746-85**	1710-0-3185	10
89 stone/light grey	**1746-89**	1710-0-3440	10
	future® linear		
81 anthracite	**1746-81**	1710-0-3618	10
82 savanna/ivory white	**1746-82**	1710-0-3149	10
83 aluminium silver	**1746-83**	1710-0-3678	10
84 davos/studio white	**1746-84**	1710-0-3167	10
89 stone/light grey	**1746-89**	1710-0-3440	10
	carat®		
81 anthracite	**1746-81**	1710-0-3618	10
82 savanna/ivory white	**1746-82**	1710-0-3149	10
84 davos/studio white	**1746-84**	1710-0-3167	10
	pure stainless steel		
866 stainless steel	**1746-866**	1710-0-3769	10

Product	Article-No.	Order-No.	Pack Qty
	**Intermediate Ring with hinged lid** [1] [2] [3] [4] Mounting Type: Flush-mounted For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. shuttered socket outlets, equipotential, TV/FM and ISDN outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with styling frames All Weather 44. Protection class (Device): IP 44		
32 white	**2118 GK-32**	1710-0-2272	10
34 alpine white	**2118 GK-34**	1710-0-1860	10/100
35 anthracite	**2118 GK-35**	1710-0-1936	10

1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flushed inserts
4) Zentralscheibe Reflex SI und Steckdoseneinsatz nicht im Lieferumfang enthalten

	**Intermediate Ring with hinged lid** [1] [2] [3] [4] **lockable, differing locks** Mounting Type: Flush-mounted For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. shuttered socket outlets, equipotential, TV/FM and ISDN outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with styling frames All Weather 44. Protection class (Device): IP 44		
32 white	**2118 GKSL-32**	1710-0-2298	10
34 alpine white	**2118 GKSL-34**	1710-0-1951	10
35 anthracite	**2118 GKSL-35**	1710-0-1977	10

1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flushed inserts
4) Closing uniformly upon request

	Intermediate Ring with hinged lid [1] [2] [3] [4] **with window** Mounting Type: Flush-mounted For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. shuttered socket outlets, equipotential, TV/FM and ISDN outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with styling frames All Weather 44. Protection class (Device): IP 44		
32 white	**2118 GKN-32**	1710-0-2280	10
34 alpine white	**2118 GKN-34**	1710-0-1878	10
35 anthracite	**2118 GKN-35**	1710-0-1993	10

1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flushed inserts
4) See lettering sheet and lettering software.

Product	Article-No.	Order-No.	Pack Qty

Intermediate Ring with hinged lid [1] [2] [3] [4] [5]
lockable, differing locks
Mounting Type: Flush-mounted
With window.
For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. shuttered socket outlets, equipotential, TV/FM and ISDN outlets, etc.
Delivery without cover plate.
With sealing ring and 2 keys.
IP 44 only in conjunction with styling frames All Weather 44.
Protection class (Device): IP 44

32	white	**2118 GKSLN-32**	1710-0-2306	10
34	alpine white	**2118 GKSLN-34**	1710-0-1969	10
35	anthracite	**2118 GKSLN-35**	1710-0-1985	10

1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flushed inserts
4) Closing uniformly upon request
5) See lettering sheet and lettering software.

D-Type Data Connector [1]

For fixation screws M3.
With locking bolts.

9-pole

0200	0225-0-0011	50

15-pole

0201	0225-0-0029	50

24-pole

0202	0225-0-0037	50

1) Suitable for DCS insert Art. No. 1850 -1853 built-in.

Satellite Socket
Mounting Type: Flush-mounted
F-Type
Single
BS 5733, IEC 60169-2

20	platinum	**0233 BS-20**	1711-0-0001	10
22	ivory	**0233 BS-22**	0230-0-0307	10
23G	gold	**0233 BS-23G**	1711-0-0048	10
24	studio white	**0233 BS-24**	0230-0-0309	10
260	palladium	**0233 BS-260**	1711-0-0002	10
266	titanium	**0233 BS-266**	1711-0-0003	10

Mounting boxes: 25 mm deep flush 1gang , 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty

Cover Plate
with metal mounting plate
Mounting Type: Flush-mounted
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

future®

82	savanna/ivory white	**1751-82**	1723-0-0239	10
84	davos/studio white	**1751-84**	1723-0-0240	10/100
85	manhattan/ graphite	**1751-85**	1723-0-0241	10
89	stone/light grey	**1751-89**	1723-0-0249	10

future® linear

81	anthracite	**1751-81**	1723-0-0253	10
82	savanna/ivory white	**1751-82**	1723-0-0239	10
83	aluminium silver	**1751-83**	1723-0-0254	10
84	davos/studio white	**1751-84**	1723-0-0240	10/100
89	stone/light grey	**1751-89**	1723-0-0249	10

carat®

81	anthracite	**1751-81**	1723-0-0253	10
82	savanna/ivory white	**1751-82**	1723-0-0239	10
84	davos/studio white	**1751-84**	1723-0-0240	10/100

pure stainless steel

866	stainless steel	**1751-866**	1723-0-0255	10

Cover Plate
with metal mounting plate
Mounting Type: Flush-mounted
For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329.
Knock-out openings 6, 8, 18 mm.

future®

82	savanna/ivory white	**1748-82**	1710-0-3655	10
84	davos/studio white	**1748-84**	1710-0-3656	10
85	manhattan/ graphite	**1748-85**	1710-0-3657	10
89	stone/light grey	**1748-89**	1710-0-3658	10

future® linear

81	anthracite	**1748-81**	1710-0-3654	10
82	savanna/ivory white	**1748-82**	1710-0-3655	10
83	aluminium silver	**1748-83**	1710-0-3673	10
84	davos/studio white	**1748-84**	1710-0-3656	10
89	stone/light grey	**1748-89**	1710-0-3658	10

carat®

81	anthracite	**1748-81**	1710-0-3654	10
82	savanna/ivory white	**1748-82**	1710-0-3655	10
84	davos/studio white	**1748-84**	1710-0-3656	10

pure stainless steel

866	stainless steel	**1748-866**	1710-0-3760	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	future®		
82 savanna/ivory white	**1750-82**	1710-0-3148	10
84 davos/studio white	**1750-84**	1710-0-3166	10
85 manhattan/ graphite	**1750-85**	1710-0-3184	10
89 stone/light grey	**1750-89**	1710-0-3439	10
	future® linear		
81 anthracite	**1750-81**	1710-0-3617	10
82 savanna/ivory white	**1750-82**	1710-0-3148	10
83 aluminium silver	**1750-83**	1710-0-3679	10
84 davos/studio white	**1750-84**	1710-0-3166	10
89 stone/light grey	**1750-89**	1710-0-3439	10
	carat®		
81 anthracite	**1750-81**	1710-0-3617	10
82 savanna/ivory white	**1750-82**	1710-0-3148	10
84 davos/studio white	**1750-84**	1710-0-3166	10
	pure stainless steel		
866 stainless steel	**1750-866**	1710-0-3770	10
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	future®		
82 savanna/ivory white	**1749-82**	1710-0-3145	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100
85 manhattan/ graphite	**1749-85**	1710-0-3181	10
89 stone/light grey	**1749-89**	1710-0-3436	10
	future® linear		
81 anthracite	**1749-81**	1710-0-3614	10
82 savanna/ivory white	**1749-82**	1710-0-3145	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100
89 stone/light grey	**1749-89**	1710-0-3436	10
	carat®		
81 anthracite	**1749-81**	1710-0-3614	10
82 savanna/ivory white	**1749-82**	1710-0-3145	10
84 davos/studio white	**1749-84**	1710-0-3163	10/100
	pure stainless steel		
866 stainless steel	**1749-866**	1710-0-3752	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

Product	Article-No.	Order-No.	Pack Qty
	Equipotential Socket Outlet **2gang** Mounting Type: Flush-mounted Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². (German Standard DIN/IEC 601 Part 1. VDE 0750 Part 1 12.91) Connection bolts German Standard DIN 42801.		
	future®		
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10
85 manhattan/ graphite	**2095 UC-85**	2495-0-0087	10
89 stone/light grey	**2095 UC-89**	2495-0-0088	10
	future® linear		
81 anthracite	**2095 UC-81**	2495-0-0084	10
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
83 aluminium silver	**2095 UC-83**	2495-0-0089	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10
89 stone/light grey	**2095 UC-89**	2495-0-0088	10
	carat®		
81 anthracite	**2095 UC-81**	2495-0-0084	10
82 savanna/ivory white	**2095 UC-82**	2495-0-0085	10
84 davos/studio white	**2095 UC-84**	2495-0-0086	10
	pure stainless steel		
866 stainless steel	**2095 UC-866**	2495-0-0090	10
	Potential Balancing Plug Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801. For potential balancing jack cover plate (connection up to 6 mm² crimped or soldered)		
	0299-0-0032	0299-0-0032	10
	Built-in Jack For potential balancing jack cover plate and installation in cover plates. For devices of 19 mm diameter.		
	0471-0-0037	0471-0-0037	10

Further technical details
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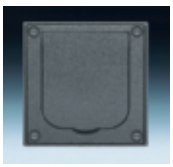
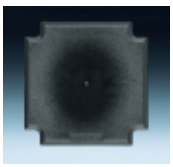
Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted With screw-type terminal. Fixed with central locknut. As cover for control units with a diameter of 22.5 mm Without claw.		
	future®		
82 savanna/ivory white	**2533-82**	1724-0-4255	10
84 davos/studio white	**2533-84**	1724-0-4256	10
85 manhattan/ graphite	**2533-85**	1724-0-4257	10
89 stone/light grey	**2533-89**	1724-0-4258	10
	future® linear		
81 anthracite	**2533-81**	1724-0-4254	10
82 savanna/ivory white	**2533-82**	1724-0-4255	10
83 aluminium silver	**2533-83**	1724-0-4261	10
84 davos/studio white	**2533-84**	1724-0-4256	10
89 stone/light grey	**2533-89**	1724-0-4258	10
	carat®		
81 anthracite	**2533-81**	1724-0-4254	10
82 savanna/ivory white	**2533-82**	1724-0-4255	10
84 davos/studio white	**2533-84**	1724-0-4256	10
	pure stainless steel		
866 stainless steel	**2533-866**	1724-0-4270	10
	**FM box** [1] Mounting Type: Flush-mounted Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Made of diecast aluminium. Wall-flush installation. 2 entries PG 16. Protection class (Device): IP 41		
grey	**1705 U**	1799-0-0493	10
	**Socket Fixing Plate** Mounting Type: Flush-mounted For flush mounted Box 1705 U.		
	For blank cover plate.		
	1710	1764-0-0224	10
	For diode jacks		
	1711	1764-0-0232	10
	For 25-pole D-type data connector		
	1712	1764-0-0240	10
	For 2 modular jack inserts 0210 and 0211		
	1713	1764-0-0257	10
	For XLR panel jacks, series D		
	1714	1764-0-0265	10

1) Use adapter for metric pipes, e.g. Kleinhuis 1897P16M20 or 1897P16M25.

Product	Article-No.	Order-No.	Pack Qty
	Telephone Socket RJ 11 Mounting Type: Flush-mounted British Type, Master 1gang BS 6312: part 2.2		
20 platinum	**0280 BS-20**	1711-0-0040	10
22 ivory	**0280 BS-22**	0230-0-0293",4>	
22 ivory	**0280 BS-22**	0230-0-0293	10
23G gold	**0280 BS-23**	0230-0-0303	10
24 studio white	**0280 BS-24**	0230-0-0294	10/100
260 palladium	**0280 BS-260**	1711-0-0034	10
266 titanium	**0280 BS-266**	1711-0-0037	10
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	not applicable		
	Telephone Socket RJ 11 Mounting Type: Flush-mounted Secondary, 1gang BS 6312: part 2.2		
20 platinum	**0282 BS-20**	1711-0-0042	10
21 bronze	**0282 BS-21**	1711-0-0045	10
22 ivory	**0282 BS-22**	0230-0-0340	10
24 studio white	**0282 BS-24**	1711-0-0046	10
23G gold	**0282 BS-23**	1711-0-0047	10
260 palladium	**0282 BS-260**	1711-0-0036	10
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	not applicable		
	Telephone Socket RJ 11 Mounting Type: Flush-mounted RJ 11, Category 3 BS 6312: part 2.2, FCC 68		
20 platinum	**0281 BS-20**	1711-0-0041",4>	
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	not applicable		

Product	Article-No.	Order-No.	Pack Qty

Telephone Socket RJ 11
Mounting Type: Flush-mounted
RJ 11, Category 3
BS 6312: part 2.2, FCC 68

20 platinum	**0281 BS-20**	1711-0-0041	10
21 bronze	**0281 BS-21**	1711-0-0044	10
22 ivory	**0281 BS-22**	0230-0-0298	10/100
23G gold	**0281 BS-23**	0230-0-0305	10
24 studio white	**0281 BS-24**	0230-0-0299	10/100
260 palladium	**0281 BS-260**	1711-0-0035	10
266 titanium	**0281 BS-266**	1711-0-0038	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: for 2gang combination in a twin box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty

Socket Fixing Plate
For cover plate and SM box 1758-...
for communication devices.

for 9-pole D-type data connector
1850 EB 1764-0-0018 10

15-pole D-type data connector
1851 EB 1764-0-0026 10/100

25-pole D-Type data connector
1852 EB 1764-0-0034 10/100

XLR built-in jack Neutrik type FP
1853 EB 1764-0-0042 10

XLR built-in jack Neutrik, type MP
1854 EB 1764-0-0059 10

2x BNC/TNC jacks for solder connection
1855 EB 1764-0-0067 10/100

BNC/TNC panel-type cable jack
1856 EB 1764-0-0075 10

2x BNC/TNC cable jacks
1857 EB 1764-0-0083 10

2x BNC panel jacks
1858 EB 1764-0-0091 10/100

Socket Fixing Plate
For cover plate and SM box 1758-...
for communication devices.

2x UHF jacks
1859 EB 1764-0-0109 10

Panel-type diode jack for screw connection
1860 EB 1764-0-0117 10

Panel-type diode jack/plug
1861 EB 1764-0-0125 10

2x panel-type diode jack/plug
1862 EB 1764-0-0133 10

UHF jacks
1863 EB 1764-0-0141 10

Twinax panel jack
1864 EB 1764-0-0158 10

2x twinax panel jack
1865 EB 1764-0-0166 10

1x 6 and 8-pole modular jack Cat. 3, to fit Art.-No. 0210 and 0211
1866 EB 1764-0-0174 10/100

2x 6 and 8-pole modular jack Cat. 3, to fit Art.-No. 0210 and 0211
1867 EB 1764-0-0182 10/100

Further technical details
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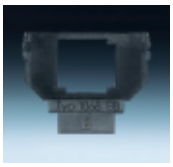
Product	Article-No.	Order-No.	Pack Qty
	**Socket Fixing Plate** For cover plate and SM box 1758-... for communication devices.		
	IBM-Nr. 8310574 For LAN data connectors (local area network). 4-pole data plug LAN (local area network) *)		
	1868 EB	1764-0-0190	10/100
	Closed/blind plate		
	1869 EB	1764-0-0208	10/100
	Bushing pockets for optical waveguides 2x Simplex ST		
	1870 EB	1764-0-0216	10/100
	2x 6 and 8-pole modular jack, Cat 3, to fit AMP-No. 555225 and 555235		
	1871 EB	1764-0-0273	10/100
	2x 6 and 8-pole modular jack Cat. 5, unshielded, to fit Lucent Technologies (formerly AT&T) unshielded Cat. 5/6, types: MPS 100E, MGS 200		
	1872 EB	1764-0-0281	10/100
	Bushing pockets for optical waveguides 2x Duplex SC		
	1874 EB	1764-0-0307	10/100
	2x 8-pole modular jack Cat. 5E and Cat. 6, shielded/ unshielded, to fit AMP 569013-1, 569015-1, 1116515-1, 406372-1,1375055-x, 1375188-x, 1375189-x, 1375191-x, 1339015-1		
	1875 EB	1764-0-0315	10
	For communication devices from Neutrik: XLR panel jack/ plug, Series D - loudspeaker connectors, Speakon system.		
	1876 EB	1764-0-0332	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate [1] **with metal mounting plate** Mounting Type: Flush-mounted for communication devices. With window 60.2 x 10.2 mm. Without claw.		
	future®		
82 savanna/ivory white	**1758-82**	1724-0-2759	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100
85 manhattan/ graphite	**1758-85**	1724-0-2764	10
89 stone/light grey	**1758-89**	1724-0-2831	10
	future® linear		
81 anthracite	**1758-81**	1724-0-4253	10
82 savanna/ivory white	**1758-82**	1724-0-2759	10
83 aluminium silver	**1758-83**	1724-0-4263	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100
89 stone/light grey	**1758-89**	1724-0-2831	10
	carat®		
81 anthracite	**1758-81**	1724-0-4253	10
82 savanna/ivory white	**1758-82**	1724-0-2759	10
84 davos/studio white	**1758-84**	1724-0-2761	10/100
	pure stainless steel		
866 stainless steel	**1758-866**	1724-0-4272	10

1) Lettering sheets 1799,1799 02,1799 19 and lettering software.

Product	Article-No.	Order-No.	Pack Qty
	Box [1] [2] [3] [4] **with window** Mounting Type: Surface-mounted larger installation depth for data communication system, suitable for DCS base 1850 built-in ... 1872 built-in and 1876 built-in, Marking plate 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 45 mm		
53 grey / blue-green	**1758 WN-53**	1724-0-2751	10

1) Not suitable for DCS base 1874 (built-in), 1875 built-in
2) See lettering sheets 1799-13 and lettering software.
3) DCS base not included
4) IP 44 only with closed hinged lid.

Product	Article-No.	Order-No.	Pack Qty
	Socket Outlet **3-pole, N, E** Mounting Type: Flush-mounted with metal mounting plate Rated voltage: 415 V~ Rated current: 16 A [1] rectangular		
white RAL 1013	**2064 SR W-500**	2510-0-0113	10/50
	Round, 25 A		
white RAL 1013	**2365 SRW**	2520-0-0047	1/10
	Box for flush mounted socket outlet 2365 SR W		
	3095-1	1747-0-0062	100/100
1) For 70 mm wall box.			
	Socket Outlet With thermoplastic hinged lid With circular wall box. Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44		
white RAL 1013	**2064 UG**	2560-0-0183	10
	Insulated wall box -O-		
	3064	2561-0-0017	10
	Socket Outlet Mounting Type: Surface-mounted rectangular Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	**2064 JW-500**	2540-0-0045	10/100
	Round, 25 A		
white RAL 1013	**2365 JW**	2550-0-0028	1/10
	Socket Outlet With thermoplastic hinged lid rectangular PVC entry Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44		
grey RAL 7035	**2064 AG**	2581-0-0098	10/100
	Plug With central entry. Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	**2364 SW**	2590-0-0024	100
	PVC, 16 A		
grey RAL 7035	**2064 SPVC**	2590-0-0172	10

Product	Article-No.	Order-No.	Pack Qty
	Plug With central entry. Material: rubber Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44		
black	**2064 SGI**	2590-0-0149	10
	Angled Plug With bend proof Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	**2064 SWLW**	2590-0-0164	10/100
	Angled plug,25 A		
white RAL 1013	**2365 SWLW**	2591-0-0063	100
	Conduit Adapter With central entry. Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	**2364 KUW**	2595-0-0023	10
	PVC, 16 A		
grey RAL 7035	**2064 KUPVC**	2595-0-0080	10
	Rubber, 16 A		
black	**2064 KUGI**	2595-0-0072	10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty
	Socket Outlet [1] Mounting Type: Surface-mounted Rated voltage: 250 V~ Rated current: 16 A		
white RAL 1013	**2334 JW**	2340-0-0024	10/100

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensuren non-interchangeability.

	Plug [1] Lateral entry. Rated voltage: 250 V~ Rated current: 16 A		
white RAL 1013	**34 W-101**	2390-0-0060	20

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensuren non-interchangeability.

	Socket Outlet [1] [2] Mounting Type: Surface-mounted With hinged lid. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
grey	**2334 AG**	2381-0-0010	10

1) IP 44 only with plug connector 34 WJ.
2) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensuren non-interchangeability.

	Plug [1] With rubber cover With central entry. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
black	**34 WJ**	2390-0-0045	10/100

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensuren non-interchangeability.

	Conduit Adapter [1] Lateral entry. Rated voltage: 250 V~ Rated current: 16 A		
white RAL 1013	**2334 KUW**	2391-0-0027	10

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensuren non-interchangeability.

Product	Article-No.	Order-No.	Pack Qty
	Special Wall Box Mounting Type: Built-in unit For Busch Nema flush mounted 2gang socket outlets.		
	3072	1745-0-0017	10

	Socket Outlet **With earthing pin** Mounting Type: Flush-mounted With screwless terminal Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A			
	future®			
82	savanna/ivory white	**20 MUC-82-500**	2017-0-0785	10/100
84	davos/studio white	**20 MUC-84-500**	2017-0-0786	10/100
85	manhattan/ graphite	**20 MUC-85-500**	2017-0-0787	10/100
89	stone/light grey	**20 MUC-89-500**	2017-0-0791	10/100

	Socket Outlet [1] [2] **With earthing pin** Mounting Type: Flush-mounted With screwless terminal Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A			
	future®			
82	savanna/ivory white	**20 MUCKS-82-500**	2017-0-0806	10
84	davos/studio white	**20 MUCKS-84-500**	2017-0-0807	10

1) Increased shock protection .
2) Manufactured on request.

	Socket Outlet [1] [2] [3] **With earthing pin** Mounting Type: Surface-mounted With screwless terminal With hinged lid. 2 P + E Suitable for the countries: Poland, Czech Republic. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44			
53	grey / blue-green	**20 MW-53-500**	2017-0-0762	10/100
54	alpine white	**20 MW-54-500**	2017-0-0849	10

1) Label holder 1763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Terminals suitable for loop connection in acc. with IEC 60 884-1.

	Socket Outlet [1] [2] [3] **With earthing pin** Mounting Type: Surface-mounted With screw-type terminal. With hinged lid. Shuttered. Suitable for use in Belgium. 2 P + E Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44			
53	grey / blue-green	**23 MWKS-53-504**	2017-0-0763	10/100

1) Label holder 1763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Terminals suitable for loop connection in acc. with IEC 60 884-1.

Hanging Service Module

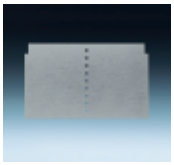
Product	Article-No.	Order-No.	Pack Qty
	Oven Connection Unit Mounting Type: Flush-mounted Connector blocks with 5 double terminals, removable. For commercially available boxes. Rated cross-section 2.5 mm²		
alpine white	**3741 UJ**	1712-0-0165	80
	Flush mounted and SM oven connection unit Mounting Type: Flush-mounted Rated cross-section 2.5 mm² with break-proof lid and snap closure, Screw and claw fixation for 60 mm and 70 mm flush-mounted boxes, removable claw, Strain relief for cable up to 5 x 2.5 mm²		
	3746 U-101	1712-0-0182	5/60

Product	Article-No.	Order-No.	Pack Qty
	Hanging Service Module [1] **bare** Box colour: black. Covers: yellow. Without cover plates.		
black	**0239-0-0012**	0239-0-0012	1

1) Components not provided by BJE.

	Hanging Service Module [1] **fitted with 4 SCHUKO® socket outlets with earthing contact socket** Box colour: black. Covers: yellow.		
black	**0239-0-0038**	0239-0-0038	1

1) Prewired on 2 terminals.

	**Additional partition**		
yellow	**0239-0-0053**	0239-0-0053	1
	Cover		
	Perforated, diameter: 45 mm		
yellow	**0239-0-0061**	0239-0-0061	50
	Perforated, 70 mm diameter		
yellow	**0239-0-0079**	0239-0-0079	50
	non-perforated		
yellow	**0239-0-0087**	0239-0-0087	50
	Chain for fixation, running metre		
chrome	**0239-0-0095**	0239-0-0095	

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	SCHUKO® socket outlet with screwless terminal [1] DP (2 P + E) Mounting Type: Flush-mounted For channel installations of 45 mm diameter. With circular cover plate. Rated voltage: 250 V~ Rated current: 16 A		
	20 EUCO	2011-0-1458	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] Mounting Type: Flush-mounted With screwless terminal 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the channel covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
212 white	**20 EUCQ-212**	2011-0-2720	10
green (SV) RAL 6018	**20 EUCQ-13-212**	2011-0-2860	10
orange (ZSV) RAL 2004	**20 EUCQ-14-212**	2011-0-2878	10

1) Can only be used in SI frames with adapter 1746-....
2) Terminals suitable for loop connection in accordance with VDE 0620-1.

	SCHUKO® Socket Outlet [1] [2] [3] Mounting Type: Flush-mounted With screwless terminal 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the channel covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	**20 EUCQ-214**	2011-0-2829	10
217 red	**20 EUCQ-217**	2011-0-2852	10

1) Can only be used in SI frames with adapter 1746-....
2) Terminals suitable for loop connection in accordance with VDE 0620-1.
3) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch Duro 2000® SI.

	SCHUKO® Socket Outlet [1] [2] with marking "EDV" Mounting Type: Flush-mounted With screwless terminal 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the channel covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	**20 EUCQ/DV-214**	2011-0-2902	10
217 red	**20 EUCQ/DV-217**	2011-0-2886	10

1) Terminals suitable for loop connection in accordance with VDE 0620-1.
2) Can only be used in SI frames with adapter 1746-....

For further SCHUKO® socket outlets, refer to the flush and surface mounted lines.

Product	Article-No.	Order-No.	Pack Qty

Music in each and every room.

Would you like to hear the latest news or your favourite CD all over the house? Almost too good to be true. It can be used in each room with the simplicity of a light switch and even as an intercom - Busch-AudioWorld® is a feast for the ears.

Amplifier insert

Intercom amplifier insert

Speaker insert 2"

Individual control in each room
Whoever wants to hear, just switches it on: the amplifier insert is installed in all rooms which are to be connected to the system and can then be used as an operating control. It fits into a normal flush-mounted box and has an adapter ring for integration into every available switch range.

Can also be used as an internal intercom
The amplifier insert can not only be used for controlling the volume and for switching between the radio and other sound sources. The intercom version, also, optionally offers the opportunity to use the system as an intercom system.

An uniform picture
Flush-mounted speakers matching all switch ranges are also available. These speakers fit into a standard flush-mounted box and integrate harmoniously into every room. Thus they will delight you not only acoustically, but visually as well.

Material: Thermoplastic cover (PC), impact-resistant, UV resistant, weather-proof, PVC and halogen free.

Audio/Video

Busch-AudioWorld® Twin Combination Switch/Amplifier Insert. Switch Range future®. Colour: davos.

Product	Article-No.	Order-No.	Pack Qty

Central unit with FM tuner stereo, 2 channels
For setting up multi-room public address systems.
With integrated FM tuner.
8 radio programs storable.
2 separate stereo audio channels.
1 additional channel for voice messages.
For 4 amplifier inserts 8211 U and 8212 U.
Extendable via REG external power-pack 8209.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Protection class (Device): IP 20
Dimensions: (L x W x D): 67 mm x 217 mm x 210 mm

	8201	8200-0-0008	1

Amplifier insert [1]
Mounting Type: Flush-mounted
For individual sound-volume adjustment and program selection.
With switchover between radio and external music source.
Switching transfer of centrally stored radio programs possible.
For mono/stereo operation.
With automatic loudness function.
Optional automatic switch-off after 30 min. (Sleep function).
Rated voltage: 15 V-
Protection class (Device): IP 20, SELV
Dimensions: (L x W x D): 71 mm x 71 mm x 49 mm
Installation depth: 32 mm

81	anthracite	**8211 U**	8200-0-0010	1/10

1) No claw. Screw-fixing via keyholes.

Intercom amplifier insert [1]
Mounting Type: Flush-mounted
For individual sound-volume adjustment and program selection.
With switchover between radio and external music source.
Switching transfer of centrally stored radio programs possible.
With voice button and integrated microphone for spoken messages to other Intercom amplifier inserts (8212 U).
Optional message OFF (do not disturb).
For mono/stereo operation.
With automatic loudness function.
Optional automatic switch-off after 30 min. (Sleep function).
Rated voltage: 15 V-
Protection class (Device): IP 20, SELV
Dimensions: (L x W x D): 71 mm x 71 mm x 49 mm
Installation depth: 32 mm

81	anthracite	**8212 U**	8200-0-0011	1/10

1) No claw. Screw-fixing via keyholes.

Loudspeaker insert [1]
2"
Mounting Type: Flush-mounted
For amplifier insert 8211 U and 8212 U.
With broadband characteristic.
With clamp terminals.
Rated output: 2 W (RMS)
Frequency response: 150 - 16,000 Hz
Impedance: 16 Ohm
Protection class (Device): IP 20
Dimensions: (L x W x D): 71 mm x 71 mm x 49 mm
Installation depth: 34 mm

81	anthracite	**8221 U**	8200-0-0012	1/10

1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack Qty

Built-in loudspeakers
5"
Mounting Type: Built-in unit
For amplifier insert 8211 U and 8212 U.
With broadband characteristic.
With screw terminals.
Rated output: 6 W (RMS)
Frequency response: 50 - 11,000 Hz
Impedance: 16 Ohm
Protection class (Device): IP 20
Dimensions: (L x W x D): 148 mm x 148 mm x 66 mm

	8222 EB	8200-0-0013	1/5

MDRC power-pack extension [1]
Mounting Type: Rail-mounting
For extending the max. number of amplifier inserts at a central point 8201.
For 5 additional amplifier inserts 8211 U or 8212 U.
Parallel connection possible.
With automatic line disconnection when the system is not used.
Rated voltage: 230 V~, +10 % / -10 %
Output voltage: 15 V-
Rated frequency: 50 Hz/60 Hz
Rated current: 1.5 A
Protection class (Device): IP 20, SELV
Dimensions: (L x W x D): 110 mm x 125 mm x 70 mm
module width: 7 TE

	8209	8200-0-0009	1/5

1) max. 3 REG external power-packs per system.

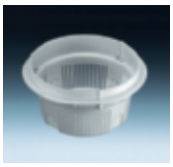
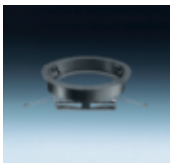
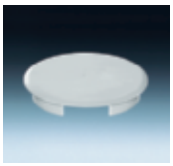
Cover Plate
Mounting Type: Flush-mounted
For amplifier insert 8211 U and 8212 U.
For loudspeaker insert 8221 U.

	future®			
82	savanna/ivory white	**8251-82**	8200-0-0032	10
84	davos/studio white	**8251-84**	8200-0-0033	10
85	manhattan/ graphite	**8251-85**	8200-0-0034	10
89	stone/light grey	**8251-89**	8200-0-0038	10
	future® linear			
81	anthracite	**8251-81**	8200-0-0031	10
82	savanna/ivory white	**8251-82**	8200-0-0032	10
83	aluminium silver	**8251-83**	8200-0-0039	10
84	davos/studio white	**8251-84**	8200-0-0033	10
89	stone/light grey	**8251-89**	8200-0-0038	10
	carat®			
81	anthracite	**8251-81**	8200-0-0031	10
82	savanna/ivory white	**8251-82**	8200-0-0032	10
84	davos/studio white	**8251-84**	8200-0-0033	10
	pure stainless steel			
866	stainless steel	**8251-866**	8200-0-0040	10

Loudspeaker grid metal clad
Mounting Type: Surface-mounted
For built-in loudspeaker: 8222 built-in.
With central fixation screw.
With screw cover.
Dimensions: (L x W x D): 185 mm x 185 mm x 15 mm

white		**8228**	8200-0-0014	1/10

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	**Flush-mounted wall box** Mounting Type: Flush-mounted For built-in loudspeaker: 8222 built-in. For flush-mounted assembly. Drilling measurements: 174 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 84 mm Installation depth: 84 mm		
	8229/1	8200-0-0015	1/10
	**Hollow-wall installation ring** Mounting Type: Flush-mounted For built-in loudspeaker: 8222 built-in. For mounting in hollow walls/ceilings. With spring claws. Drilling measurements: 160 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 105 mm Installation depth: 110 mm		
	8229/2	8200-0-0016	1/10
	**Blind plate** Mounting Type: Surface-mounted For covering premounted flush-mounted wall box 8229/1. For covering premounted hollow wall installation ring 8229/2. With rotary fixation. Dimensions: (L x W x D): 170 mm x 170 mm x 31 mm		
white	**8229/3**	8200-0-0017	1/5
	Loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm². with claw		
anthracite	**0247**	0230-0-0382	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

Product	Article-No.	Order-No.	Pack Qty
	Stereo loudspeaker connection box [1] Mounting Type: Flush-mounted With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm². Pooling with coloured marking. with claw		
anthracite	**0248**	0230-0-0383	10

1) Suitable for cover TAE 1766-xxx and 2539-21x.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted for German telephone TAE insert for German telephone UAE/TAE insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	future®		
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
85 manhattan/ graphite	**1766-85**	1710-0-3180	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100
	future® linear		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
83 aluminium silver	**1766-83**	1710-0-3659	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
89 stone/light grey	**1766-89**	1710-0-3435	10/100
	carat®		
81 anthracite	**1766-81**	1710-0-3613	10
82 savanna/ivory white	**1766-82**	1710-0-3144	10/100
84 davos/studio white	**1766-84**	1710-0-3162	10/100
	pure stainless steel		
866 stainless steel	**1766-866**	1710-0-3765	10/100
	Cover Plate **with metal mounting plate** Mounting Type: Flush-mounted loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
	future®		
82 savanna/ivory white	**1751-82**	1723-0-0239	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100
85 manhattan/ graphite	**1751-85**	1723-0-0241	10
89 stone/light grey	**1751-89**	1723-0-0249	10
	future® linear		
81 anthracite	**1751-81**	1723-0-0253	10
82 savanna/ivory white	**1751-82**	1723-0-0239	10
83 aluminium silver	**1751-83**	1723-0-0254	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100
89 stone/light grey	**1751-89**	1723-0-0249	10
	carat®		
81 anthracite	**1751-81**	1723-0-0253	10
82 savanna/ivory white	**1751-82**	1723-0-0239	10
84 davos/studio white	**1751-84**	1723-0-0240	10/100
	pure stainless steel		
866 stainless steel	**1751-866**	1723-0-0255	10

Product	Article-No.	Order-No.	Pack Qty
	Control cover voice terminal Mounting Type: Flush-mounted With microphone and loudspeakers. The necessary flush-mounted inserts for voice and control component can be purchased from RiTTO. The flush-mounted inserts are supplied as a set. The control-component insert is covered with a 2gang switch sensor. Art. No. Busch-Jaeger Switch sensor: 6126-8x		
	future®		
82 savanna/ivory white	**8260-82**	8200-0-0001	1
84 davos/studio white	**8260-84**	8200-0-0002	1
85 manhattan/ graphite	**8260-85**	8200-0-0003	1
89 stone/light grey	**8260-89**	8200-0-0007	1
	future® linear		
81 anthracite	**8260-81**	8200-0-0004	1
82 savanna/ivory white	**8260-82**	8200-0-0001	1
84 davos/studio white	**8260-84**	8200-0-0002	1
89 stone/light grey	**8260-89**	8200-0-0007	1
	carat®		
81 anthracite	**8260-81**	8200-0-0004	1
82 savanna/ivory white	**8260-82**	8200-0-0001	1
84 davos/studio white	**8260-84**	8200-0-0002	1

Product	Article-No.	Order-No.	Pack Qty

Dawn and dusk.

In nature the most beautiful light occurs in the twilight hours. At home, dimmers can help to create highly pleasing lighting effects which set the scene for every room. Our broad range of devices offers the right solution for each and every situation.

From filament lamps to fluorescent tubes: with Busch dimmers you can control light intensity individually. Each lamp is only supplied with the energy it actually needs – this saves energy costs and prolongs the life of the connected lights.

Even modern low voltage halogen lights can be dimmed. An IR remote control can offer maximum convenience for the user.

The ideal component type for public buildings etc. where, due to the large number of lights, dimmers have to cope with much higher loads: with Busch-Jaeger modular DIN-rail components (MDRC) you can increase the load capacity step by step to more than 3000 W.

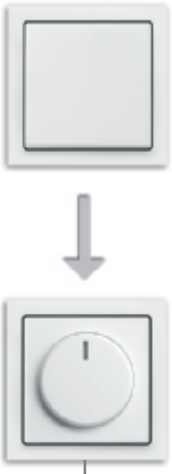
Material: Duroplast/Thermoplast (PC) cover, impact-resistant (thermoplastic only), UV-resistant, weather-proof, PVC- and halogen free.

Dimmer

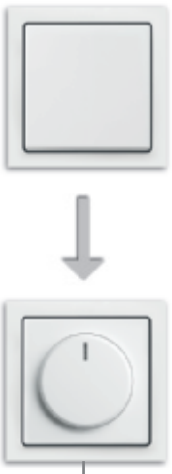
Dual Combination Switch/Socket Outlet.
Switch Range future® linear.
Colour: davos.

Dimming as you like it.

The right dimmer for each lamp; simple retro-fitting; can be illuminated, and operated from several locations. Matching covers from all switch ranges with rotary or push action. There is no other solution which is as versatile!



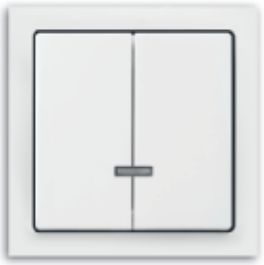
A genuine Busch-Jaeger special feature: With a Busch-Dimmer® you can dim the very same light from different locations, for example via extensions at each access door. By simply replacing light switches you can now dim from any location.



2gang-1way switch

Busch Switch dimmer

Busch Switch dimmer the ideal replacement for your 2gang-1way switch (two lighting circuits): With a Busch switch dimmer you can switch one light and dim the other.



Busch Memory 2gang Dimmer

With a Busch Memory Series dimmer you can now dim two lights (instead of one) from the same location.

Up to 6 power elements can be connected to a single dimmer. In this way, loads of up to 3000 W/ W/VA can be regulated by one single dimmer.

6584 6583

Extension push-button

Extension rotary dimmer

The different modules can be mounted without using any tools by simply snapping them on.

The covering cap located on top of the dimmer can be replaced with insertable modules. You can choose between a push-switch control cover, a rotary control cover and a timer. This facilitates convenient central control. The remote push-switch and rotary control covers can also be blocked, if required, when using the Timer module.

	FM Insert	Switching/Dimming	Control Cover			Unit				Timer Control Cover	
			Touch dimmer-control cover 6543-xxx-10x	Control cover for Busch 2gang Dimmer 6545-xxx	Busch Remote Control IR Control Cover 6066-xxx-xxx	Busch-Watchdog Sensor Standard 6810-21x	Busch-Watchdog Sensor Comfort (multi lens) 6800-xxx-104(M)	Busch-Watchdog Presence tech 6813-xxx-101	Busch Watchdog Presence tech 6813/11-xxx	Comfort Timer operating element 6455	
Universal Dimmer Inserts	Universal Central dimmer Insert 6593 U	60-420 W/VA, expandable using 6594 U up to 735 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with wound or Busch electronic transformer	X		X	X	X (Soft OFF mode: dim down/switch off within the final minute/switch off warning)	X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/fully automatic operation)	X (Timer with adjustable brightness values)	dimming
	Memory touch-type controller 6550 U-101	EVG =0/1-10V, LEDs with interface units, 700W/VA, higher contact load possible with ext. relay, 50mA control current	X		X			X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/fully automatic operation)	X (Timer with adjustable brightness values)	
Touch Dimmer	Memory touch dimmer 6560 U-101	2 x 40-315 W/VA 230 V incandescent and halogen lamps, l.v. halogen lamps with electronic transformer		X							
	Memory touch dimmer 6560 U-101	20-500 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with wound transformers	X								

X = Combination possible
1.) optional IR remote control with hand-held transmitter 6010-25

Busch Dimmer®
The right one for your lighting

Busch-Dimmer®		Capacity		Lighting					Cover Plate			
Version	Item no.	Min.	Max.	Incan_ descent lamp	230-V-Halogen	Wound transformer Conv./ Toroidal	Busch-electronic transf.	EVG (0–10 V) Fluorescent lamp				
FM Rotary Dimmer	2200 UJ-212	60 W	400 W	X	X				2110 C-212	–	–	–
	2247 U[3]	20 VA	500 VA	X	X	X[1]			2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
	2250 U[3]	60 W	600 W	X	X				2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
	6520 U	200 W/VA	1000 W/VA	X	X	X[1]			2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
	6513 U-10x[3][4]	40 W/VA	420 W/VA	X	X		X[2]		2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
	6517 U-10x	60 W	400 W/VA	X	X	X[1]			2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
	6519 U[4]	40 W/VA	550 W/VA	X	X		X[2]		2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
Universal dimmer	6591 U-101[4][8]	60 W/VA	420 W/VA	X	X	X[1]	X[2]		2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
Extension for connection to 6591 U	6592 U	–	–						2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
Electr. potentiometer	2112 U-10x	– –	4A cos φ 0.9 3A cos φ 0.5					X	2115-21.xx	6540-2.xx	6540-7.xx	6540-8.xx
Touch Dimmer	6560 U-101	20 VA	500 VA	X	X	X[1]			6543-21.xx	6543-2.xx	6543-7.xx	6543-8.xx
Universal Dimmer as above –	6593 U[4][6][8]	60 W/VA	420 W/VA[8]	X	X	X[1]	X[2]		6543-21.xx	6543-2.xx	6543-7.xx	6543-8.xx
Power element Memory	6594 U	200 W/VA	315 W/VA	X	X	X[1]	X[2]		6543-21.xx	6543-2.xx	6543-7.xx	6543-8.xx
Busch Memory 2gang Dimmer	6545x[2]	40 W/VA	315 W/VA						–	6543-2.xx	6543-7.xx	6543-8.xx
touch-type controller	6550 U-10x[5][6]	– –	4A cos φ 0.9 3A cos φ 0.5					X	6543-21.xx	6543-2.xx	6543-7.xx	6543-8.xx
Universal dimmer insert	6595 U[4][5]	60 W/VA	450 W/VA	X	X	X[1]	X[2]		6730-21.xx	6730-2.xx	–	6730-8.xx
Modular DIN Rail dimmer	2247[3]	20 VA	500 VA	X	X	X[1]						
	2250 KB[1][3]	60 VA	600 W	X	X							
	6560-10x	20 VA	500 VA	X	X	X[1]						
	6513-10x[3][4]	40 W	420 W	X	X		X[2]					
Universal central dimmer	6583[4]	60 W/VA	500 W/VA[7]	X	X	X[1]	X[2]					
as above – Power element	6584	200 W/VA	420 W/VA[7]	X	X	X[1]	X[2]					
Memory touch-type controller	6597	for central control of Universal Central Dimmers 6593-10x		X	X		X[2]					
Memory-Taststeuergerät	6550[5]	– –	4A cos φ 0.9 3A cos φ 0.5	X	X		X[2]					
Electr. potentiometer	2112-10x	– –	4A cos φ 0.9 3A cos φ 0.5	X	X		X[2]					

[1] Allow for 20 % transformer losses.
[2] Allow for 5 % transformer losses.
[3] With mains activation terminal.
[4] With electronic fuse.
[5] Extension use possible (NO-contact push button 2020US or 2020 2021/6 UK not illuminated).
[6] Use with IR control cover 6066-XX-101 important.
[7] Capacity can be extended using several power or control units.
[8] Capacity can be extended using a flush-mounted power element.

Product	Article-No.	Order-No.	Pack Qty

Rotary-Switch Dimmer [1]
Mounting Type: Flush-mounted
With rotary control, separate switch output, 2way On-Off switching and soft-catch, with leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
For insert in 2w switching.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated current: 6 A
Rated power: 60 - 400 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6517 U-101-500	6517-0-0018	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Memory 2gang Dimmer [1]
Mounting Type: Flush-mounted
For switching and dimming 2 independent devices.
With trailing edge control.
2gang 1way
For insert in 2w switching.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Compatible with control covers 6545-xxx.
without cover, without cover plate
Angegebene Nennleistung, bezieht sich jeweils auf einen Ausgang.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Dimm-Kanäle, unabhängig
Rated power: 40 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6565 U-500	6565-0-0057	1/10

Mounting boxes: min. 16 mm deep flush 1gang

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps and 230 V tungsten halogen lamps.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 60 - 600 W
IEC 60669-2-1, British Standard EN 60669-2-1

2250 U	6515-0-0704	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Provided with terminal for net disconnection devices.

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

2247 U-500	6512-0-0302	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, soft-catch and with leading edge control.
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer.
Without cover plate.
With adjustable minimum brightness.
Rated voltage: 127 V~
Rated frequency: 60 Hz
Rated power: 20 - 250 W
IEC 60669-2-1, British Standard EN 60669-2-1

2247 U-127	6512-0-0297	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

delivery form: insert (Dimmer cover plate and cover frame to be ordered separately)

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Further technical details
www.busch-jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5] [6] [7]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6513 U-102-500	6513-0-0586	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4] [5] [6] [7]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch; trailing edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Low-noise, short-circuit protected, overload-protected.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 40 - 550 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6519 U	6519-0-0011	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) See Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Short-circuit protected, overload-protected.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 200 - 1000 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6520 U-500	6520-0-0227	1/10

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
with soft-catch
with intelligence for universal operation
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Short-circuit protected, overload-protected.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
Operation via rotary-type remote control 6592 U possible, without cover plate
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6591 U-101-500	6513-0-0588	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
2) In case of electronic transformers, 5 % transformer losses.
3) In the case of conventional transformers, take ~20% transformer loss into account.
4) Control covers 2115-xxx and 6540-xxx.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer extension, Insert [1]
Mounting Type: Flush-mounted
for connection to 6591 U-101,
To be used with Busch Universal Master Dimmer® 6583.
with soft-catch
A maximum of 5 multi-way extensions can be connected to a 6591U-101,
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz

6592 U-500	6513-0-0590	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Control covers 2115-xxx and 6540-xxx.

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Busch Universal Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
With light-level memory, adjustable minimum brightness and with intelligence for universal operation.
For incandescent lamps, 127 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Compatible with control covers 6543-xxx-10x/6066-xx-10x/6810-xxx-10x/6800-xxx-10x(M)6455/6813-10x.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 127 V~
Rated frequency: 60 Hz

6590 U-127-500 6590-0-0156 1/10

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) Not for use with power boosters.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Memory Touch-Dimmer [1] [2]
Mounting Type: Flush-mounted
With light-level memory and leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Compatible with control covers 6543-xxx-10x.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Parallel operation of several transformers and/or incandescents possible.
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6560 U-101 6560-0-1205 1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500 6590-0-0171 1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Master Dimmer® Capacity Booster [1]
Mounting Type: Flush-mounted
The control is effected by a Busch Universal Master Dimmer® 6593 U or Busch Universal Rotary Dimmer 6591U-101
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6594 U-500 6590-0-0172 1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Busch-Electronic-Potentiometer [1] [2] [3] [4]
Mounting Type: Flush-mounted
With rotary control.
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For LED control via control gears
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

	2112 U-101-500	6599-0-2873	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) Use cover plates 2115 J-.../2115-.../6540-... .
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Making-current limiters have to be provided in case of too high making currents.

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

	6550 U-101-500	6550-0-0042	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Product	Article-No.	Order-No.	Pack Qty

Cover Plate [1]
with rotary knob, with indication lamp
Mounting Type: Flush-mounted
For Busch Dimmer®.
For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.

alpha bs®

20 platinum	**6540-20**	6599-0-1458	10
21 bronze	**6540-21**	6599-0-1490	10
22G ivory	**6540-22G**	6599-0-2803	10
23G gold	**6540-23G**	6599-0-2848	10
24 studio white	**6540-24**	6599-0-1540	10
260 palladium	**6540-260**	6599-0-2852	10/100
266 titanium	**6540-266**	6599-0-2855	10

1) Replacement neon lamp 3856.

Cover Plate
with rotary knob, with indication lamp
Mounting Type: Flush-mounted
For Busch Dimmer®.
For inserts 2247 U/2250 U/6513 U-102/6517 U-101/6519 U/6591 U-101/2112 U-101 6520 U.

future® [1]

82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100
85 manhattan/ graphite	**6540-85-101**	6599-0-2836	10/100
89 stone/light grey	**6540-89-101**	6599-0-2864	10/100

future® linear [1]

81 anthracite	**6540-81-101**	6599-0-2880	10
82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
83 aluminium silver	**6540-83-101**	6599-0-2886	10
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100
89 stone/light grey	**6540-89-101**	6599-0-2864	10/100

carat® [1]

81 anthracite	**6540-81-101**	6599-0-2880	10
82 savanna/ivory white	**6540-82-101**	6599-0-2830	10/100
84 davos/studio white	**6540-84-101**	6599-0-2833	10/100

pure stainless steel [2]

866 stainless steel	**6540-866-101**	6599-0-2925	10/100

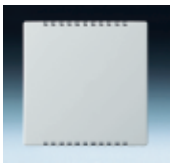
1) Replacement neon lamp, Art. No. 3855.
2) Replacement neon lamp 3856.

Cover Plate
for cooling element
Mounting Type: Flush-mounted
For Universal Master Dimmer® power module 6594 U.
For room thermostat 6134/10 and base for blind plate 6930/01.

alpha bs®

20 platinum [1]	**6541-20**	6599-0-1466	10
21 bronze [1]	**6541-21**	6599-0-1524	10
22G ivory	**6541-22G**	6599-0-2795	10
24 studio white	**6541-24**	6599-0-1557	10
24G studio white	**6541-24G**	6599-0-2332	10
26 brown	**6541-26**	6599-0-2276	10
28 hansa blue	**6541-28**	6599-0-2357	10

1) Not suitable for room thermostat 6134/10.

Product	Article-No.	Order-No.	Pack Qty
	**Cover Plate for cooling element** Mounting Type: Flush-mounted For Universal Master Dimmer® power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
	future®		
82 savanna/ivory white	**6541-82**	6599-0-2832	10
84 davos/studio white	**6541-84**	6599-0-2835	10
85 manhattan/ graphite	**6541-85**	6599-0-2838	10
89 stone/light grey	**6541-89**	6599-0-2866	10
	future® linear		
81 anthracite	**6541-81**	6599-0-2882	10
82 savanna/ivory white	**6541-82**	6599-0-2832	10
83 aluminium silver	**6541-83**	6599-0-2885	10
84 davos/studio white	**6541-84**	6599-0-2835	10
89 stone/light grey	**6541-89**	6599-0-2866	10
	carat®		
81 anthracite	**6541-81**	6599-0-2882	10
82 savanna/ivory white	**6541-82**	6599-0-2832	10
84 davos/studio white	**6541-84**	6599-0-2835	10
	pure stainless steel		
866 stainless steel	**6541-866**	6599-0-2924	10
	Control Cover [1] [2] [3] with neon Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	alpha bs®		
20 platinum	**6543-20-102**	6599-0-2820	1/10
21 bronze	**6543-21-102**	6599-0-2821	1/10
22G ivory	**6543-22G-102**	6599-0-2822	1/10
24 studio white	**6543-24-102**	6599-0-2823	1/10
260 palladium	**6543-260-102**	6599-0-2869	1/10
266 titanium	**6543-266-102**	6599-0-2870	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack Qty
	Control Cover [1] [2] [3] with neon Mounting Type: Flush-mounted Combinable with Busch Universal Touch-Type Controller 6550 U-10x, Busch Memory Touch Dimmer 6560 U-101, Busch Universal Dimmer® 6593 U, Busch Universal Relay Switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	future®		
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10
85 manhattan/ graphite	**6543-85-101**	6599-0-2837	1/10
89 stone/light grey	**6543-89-101**	6599-0-2865	1/10
	future® linear		
81 anthracite	**6543-81-101**	6599-0-2881	1/10
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
83 aluminium silver	**6543-83-101**	6599-0-2887	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10
89 stone/light grey	**6543-89-101**	6599-0-2865	1/10
	carat®		
81 anthracite	**6543-81-101**	6599-0-2881	1/10
82 savanna/ivory white	**6543-82-101**	6599-0-2831	1/10
84 davos/studio white	**6543-84-101**	6599-0-2834	1/10
	pure stainless steel		
866 stainless steel	**6543-866-101**	6599-0-2926	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

	Control cover [1] with neon Mounting Type: Flush-mounted Combinable with Busch Memory 2gang Dimmer 6565 U.		
	future®		
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10
85 manhattan/ graphite	**6545-85**	6599-0-2909	1/10
89 stone/light grey	**6545-89**	6599-0-2913	1/10
	future® linear		
81 anthracite	**6545-81**	6599-0-2906	1/10
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
83 aluminium silver	**6545-83**	6599-0-2914	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10
89 stone/light grey	**6545-89**	6599-0-2913	1/10
	carat®		
81 anthracite	**6545-81**	6599-0-2906	1/10
82 savanna/ivory white	**6545-82**	6599-0-2907	1/10
84 davos/studio white	**6545-84**	6599-0-2908	1/10
	pure stainless steel		
866 stainless steel	**6545-866**	6599-0-2927	1/10

1) Replacement neon lamp 3857.

Further technical details
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Electronic control equipment

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover with marking, illuminated Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	alpha bs®		
20 platinum	**6066-20-102**	6020-0-1316	10
21 bronze	**6066-21-102**	6020-0-1317	1/10
22G ivory	**6066-22G-102**	6020-0-1318	1/10
24 studio white	**6066-24-102-500**	6020-0-1371	1
260 palladium	**6066-260-102**	6020-0-1365	1/10
266 titanium	**6066-266-102**	6020-0-1366	1/10
	IR-Control Cover with marking, illuminated Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	future®		
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
85 manhattan/ graphite	**6066-85**	6020-0-1336	10/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	future® linear		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
83 aluminium silver	**6066-83**	6020-0-1383	1/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	carat®		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
	pure stainless steel		
866 stainless steel	**6066-866**	6020-0-1389	1/10

Electronic control equipment Rail-mounted devices

Product	Article-No.	Order-No.	Pack Qty
	Busch-Dimmer® 1) 2) 3) Mounting Type: Rail-mounting With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W module width: 3 TE IEC 60669-2-1, British Standard EN 60669-2-1		
	2250 KB	6531-0-0032	1/10
	Busch-Dimmer® 1) 2) 3) 4) Mounting Type: Rail-mounting With rotary control, 2way On-Off switching and soft-catch, with Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA module width: 3 TE IEC 60669-2-1, British Standard EN 60669-2-1		
	2247-500	6512-0-0248	1
	Busch-Dimmer® 1) 2) 3) 4) 5) 6) Mounting Type: Rail-mounting With rotary control and soft-catch, with leading edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers. Low-noise, short-circuit protected, overload-protected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA module width: 3 TE IEC 60669-2-1, British Standard EN 60669-2-1		
	6513-102-500	6513-0-0543	1
	Busch-Electronic-Potentiometer 1) 2) Mounting Type: Rail-mounting For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC. For LED control via control gears Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA module width: 3 TE		
	2112-101	6599-0-2266	1

1) Also applicable for 1gang 2way installations.
2) Provided with terminal for net disconnection devices.
3) 1 MW ≙ 18 mm.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) Provided with terminal for net disconnection devices.
3) Also applicable for 1gang 2way installations.
4) 1 MW ≙ 18 mm.

1) Also applicable for 1gang 2way installations.
2) See Busch Electronic Transformers.
3) In case of electronic transformers, 5 % transformer losses.
4) Provided with terminal for net disconnection devices.
5) Not suitable with conventional transformers.
6) 1 MW ≙ 18 mm.

1) Making-current limiters have to be provided in case of too high making currents.
2) 1 MW ≙ 18 mm.

Further technical details
www.busch-jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

Electronic control equipment
Rail-mounted devices

Product	Article-No.	Order-No.	Pack Qty

Busch Memory Touch-type Controller [1) 2) 3)]
Mounting Type: Rail-mounting
For electronic control gears.
For fluorescent lamps with control output.
For LED control via control gears
Operation only possible via conventional push button (2020 US/2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W
module width: 2 TE

6550	6550-0-0016	1

1) Illumination of the push switch is only possible with N-conductor terminal.
2) Suitable for ECG by Philips, Siemens and similar 0/1-10V control input.
3) 1 MW ≙ 18 mm.

Busch Universal Master Dimmer® [1) 2) 3)]
Mounting Type: Rail-mounting
Universal Central Dimmer modular.
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional or Busch electronic transformers.
With light-level memory, adjustable minimum brightness and with intelligence for universal operation.
Capacity expansion via output-side parallel-connected load line (with RJ 12 plug) with a power module 6584 (max. 6 pcs = 3000 W/VA total wattage).
Compatible with control unit 6597, ABB i-bus® EIB/KNX and ABB Powernet EIB/KNX in combination with control unit 6197/11-10x or 6997/11-10x, 6997/60.
Operation using a plug-in push switch/rotary and timer control cover 6543/10, ..11, –12 and/or a conventional push switch (2020 US or 2021/6 UK or Rotary Dimmer insert for combination with flush-mounted inserts 6592 U.
Low-noise, short-circuit protected, overload-protected.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 500 W/VA
Temperature range (Device): 0 °C to 45 °C
module width: 2 TE

6583-500	6590-0-0178	1/10

1) Illumination of the push switch is only possible with N-conductor terminal.
2) Not suitable for generator networks.
3) 1 MW ≙ 18 mm.

Push Button
Mounting Type: Rail-mounting
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional or Busch electronic transformers.
To be used with Busch Universal Master Dimmer® 6583.
Can be combined by replacing the cover and resting on the master dimmer.

6543/10-500	6590-0-0181	1/10

Rotary Knob
Mounting Type: Rail-mounting
For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional or Busch electronic transformers.
To be used with Busch Universal Master Dimmer® 6583.
Can be combined by replacing the cover and resting on the master dimmer.

6543/11-500	6590-0-0183	1/10

Product	Article-No.	Order-No.	Pack Qty

Busch-Timer® Control Cover
Mounting Type: Rail-mounting
For time-controlled switching of the Universal Master Dimmer 6583.
Annual Timer with max. 48 timer programmes.
Optional special programmes.
Can be combined by replacing the cover and resting on the master dimmer.

6543/12-500	6590-0-0185	1/10

Busch Universal Master Dimmer® Capacity Booster [1) 2)]
Mounting Type: Rail-mounting
To be used with Busch Universal Master Dimmer® 6583.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
A combination of up to 6 power electronic modules (3,000 W/VA) possible.
With ready-made line with jack (RJ12) for connecting to central dimmer 6583.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 200 - 420 W/VA
module width: 2 TE

6584-500	6590-0-0179	1/10

1) For greater loads, it is mandatory to provide for sufficient ventilation.
2) 1 MW ≙ 18 mm.

Busch Memory Touch Dimmer [1) 2)]
Mounting Type: Rail-mounting
With light-level memory and leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Parallel operation of several transformers and/or incandescents possible.
Operation only possible via conventional push button (2020 US/2021/6 UK).
Parallel operation of several transformers and/or incandescents possible.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 20 - 500 W/VA
module width: 3 TE

6560-101	6560-0-1206	1

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) 1 MW ≙ 18 mm.

Control Unit [1)]
Mounting Type: Rail-mounting
For Busch Universal Master Dimmer® insert 6593/94... .
To be used with Busch Universal Master Dimmer® 6583.
For controlling up to 2 x 9 groups.
On-site operation via control input 0-10 V DC/0-20mA or conventional push switches (2020 US, 2021/6 UK).
Special adjustable functions, e.g. cleaning light, vacation, group control, etc.
Up to 6 devices cascadable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Inputs: 2
Control/Signal outputs: 2, electronic output, with pulse-width modulated
max. length: 2 m
Protection class (Device): IP 20
module width: 2 TE

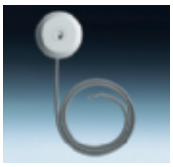
6597-500	6590-0-0155	1/10

1) 1 MW ≙ 18 mm.

Further technical details
www.busch-jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

Electronic control equipment
Rail-mounted devices

Product	Article-No.	Order-No.	Pack Qty
	**Brightness Sensor** For control unit 6597.		
	6598	6590-0-0168	10/10
	Busch Electronic Transformer 70 *) Mounting Type: Built-in unit Dimmable with all Busch Dimmers® with leading edge control or Universal Dimmer. Electronic safety transformer for low-volt halogen lamps. Short-circuit switch-off with autom. restart, temperature and overload protection with capacity reduction. Suitable for D.C. voltage operation. Rated voltage: 230 V~, +10 % / -10 % Secondary: 11.5 V Rated frequency: 50 Hz/60 Hz Rated power: 20 - 70 W/VA		
	6575-70	6570-0-0114	1/10
	Busch Electronic Transformer 105 Mounting Type: Built-in unit Dimmable with all Busch Dimmers® with leading edge control or Universal Dimmer. Electronic safety transformer for low-volt halogen lamps. Short-circuit switch-off with autom. restart, temperature and overload protection with capacity reduction. Suitable for D.C. voltage operation. Rated voltage: 230 V~, +10 % / -10 % Secondary: 11.5 V Rated frequency: 50 Hz/60 Hz Rated power: 35 - 105 W/VA		
	6575-105	6570-0-0115	1/10

*) Phase-out type

Accessories for Electronic Control Devices

Product	Article-No.	Order-No.	Pack Qty
	Label Holder For Busch-Jaeger MDRC components. For clipping onto the respective grooves on the device		
	3099-0-0306	3099-0-0306	
	Labelling sheet to match label-holder 3099-0-0306. Sheet of 250 labels.		
	3099-0-0314	3099-0-0314	1/20

Further technical details
www.busch-jaeger.com

The Busch-Dimmer® Manual can be obtained free of charge from our central Sales Service.

A watchdog that never sleeps.

He welcomes visitors and deters burglars. He sees everything and can turn night into day, if needed. Leading edge infrared technology, full spatial coverage and numerous useful service functions are the key features of the new generation of Busch Watchdogs.

Busch-Watchdog 90 ProfessionalLINE

State-of-the-art infrared detection
In addition to first-class technology each Busch-Watchdog offers simple screwless attachment to the junction box with the new bayonet mechanism. The head is movable and therefore ideal for sloping sites.

Busch-Watchdog 220 ProfessionalLINE

Innovative and versatile
A solution for every situation: Busch-Watchdog 90 ProfessionalLINE for terraced houses, 280 ProfessionalLINE for house corners, 220 ProfessionalLINE for universal applications.

Busch-Watchdog 280 ProfessionalLINE

Freely selectable parameters
With the operating mode switch at the bottom you can easily adjust lighting intervals and sensitivity.

Remote control
The convenient remote control makes it possible to adjust essential functions like continuous lighting or presence simulation without climbing ladders. The remote control is supplied with nearly all units.

Movement Detector

Busch-Watchdog 220 AlarmLINE
with Red Warning Light. Colour: white.

Will the last one out please switch off the lights.

See our range and product brochures for further information.

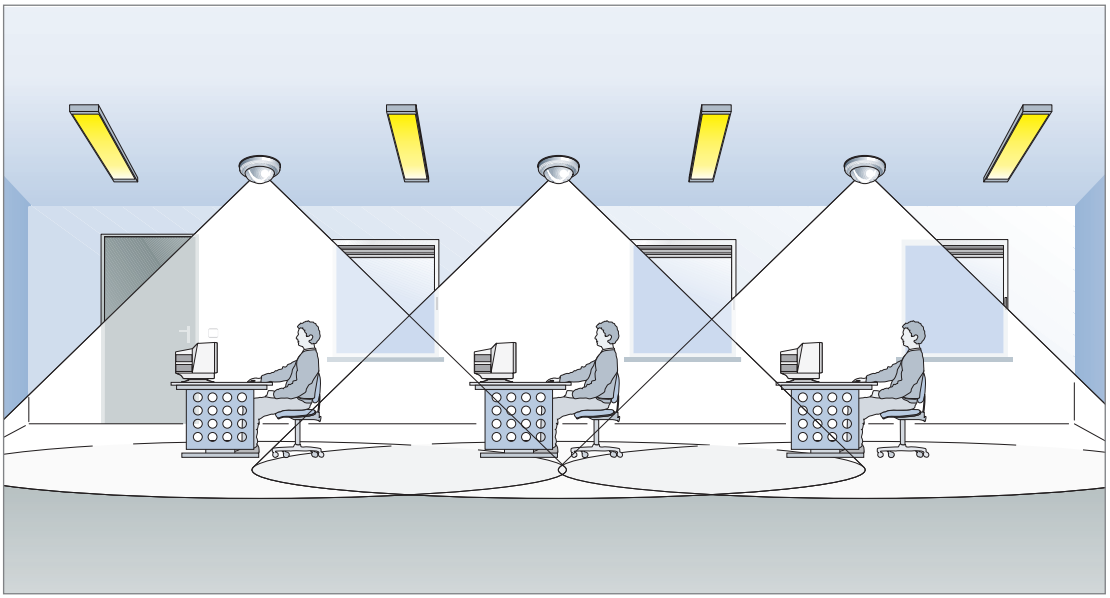
Prospectus Busch Watchdog 0001-0-0057

A presence detector will sense when the room is empty and switches off – lighting, heating and other loads. Thus, energy is only used when it makes sense. There can't be an easier way of lowering running costs.

Busch-Watchdog Presence tech,
Lighting systems, but also heating, air conditioning and ventilation systems can be controlled intelligently and energy-efficiently using this movement sensor. Busch-Watchdog Presence tech is activated by the smallest of movements. This means: all connected devices are available as and when they are needed, without affecting individual usage profiles or working patterns.

Through a combination of very large detection radius and maximum sensitivity even the smallest movements are detected homogenously over the entire detection area.

If dimmable lighting is installed, constant light control ensures optimum comfort in offices and conference rooms for instance.



Installation and settings
For optimum surveillance, the installation position of the presence detectors should be directly above the workplaces. The Busch-Watchdogs Presence have an almost circular detection area. The areas must therefore overlap slightly to ensure that there are no gaps in the detection. The master to which the load is connected is responsible for monitoring the brightness and the off-delay. The slaves have the task of routing detected movement to the master.

	FM Insert	Switching/Dimming	Control Cover					Unit					Timer Control Cover			
			Touch dimmer control cover 6543-xxx-10x	Control cover for Busch 2gang Dimmer 6545-xxx	Busch Blind Control® II Control Cover 6430-xxx-xxx	Busch Remote Control® IR Control Cover 6066-xxx-xxx	Busch Remote Control® IR Control Cover 6067-xxx-xxx	Busch-Watchdog Sensor Standard 6810-21x	Busch-Watchdog Sensor Comfort (Multi lens) 6800-xxx-104(M)	Busch-Watchdog Sensor All Weather 44® with combination lens 6800-3x-102C	Busch-Watchdog Presence tech 6813-xxx-101	Busch-Watchdog Presence tech 6913/11-xxx	Memory control cover 6457	Standard Timer control cover 6456	Comfort Timer operating element 6455	
Switching	Universal relay insert 6401 U-102	2300 W/VA all loads 10 AX	X (Current surge switch)				X (Current surge switch)	X	X	X (for outside, use only 6401 U-102, frost-proof to –25 °C)	X 1.)	X 1.) (optional semi-automatic/ fully automatic operation)			X Timer with maintained contact (for switching lights, pumps, etc.)	Switching
	Universal 2gang insert 6402 U	2300 W/VA all loads 10 AX	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)		X (Electronic series switches, 2 NO contacts)	X (Electronic series switch, remote control, 2 NO contacts)	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X 1.) (Heating, air conditioning, ventilation, output 2 with switch-on/ switch off delay in relation to output 1)	X 1.) (for controlling 2 independent strip lamps)				
	Relay insert 6812 U-101	700 W/VA all loads 3 A						X	X		X 1.)	X 1.) (fully automatic operation only)				
	MOSFET insert 6804 U-101	60–240 W/VA, 230-V incandescent and halogen lamps, l.v. halogen lamps with conv. or Busch electronic transformer						X	X		X 1.)	X 1.) (optionally semi-automatic/ fully automatic operation)				
	Extension insert 6805 U	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U and 6550 U-101						X	X		X 1.)	X 1.)				
Dimming	Universal central dimmer insert 6593 U	60–420 W/VA, expandable using 6594 U on up to 735 W/ VA 230-V incandescent and halogen-lamps, l.v. halogen lamps with conv. or Busch electronic transformer	X			X		X	X (Soft OFF mode: dim down/switch off within the final minute/switch off warning)		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable brightness values)	Dimming
	Memory touch-type controller 6550 U-101	EVG =0/1-10V, LEDs with interface units, 700 W/VA, higher contact load possible with ext. relay 50-mA control current	X			X		X	X		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable brightness values)	
	Busch 2gang Dimmer 6565 U	2 x 40-315 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with electronic transformers		X												
	Memory touch dimmer 6560 U-101	20–500 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with wound transformer	X													
Blind	Blind Basic Insert 6418 U	690 VA, 3A with cos phi 0.5			X								X (Memory timer with 3-minute contact for lowering and raising blinds)	(Timer with 3-minute contact for lowering and raising blinds)		Blind
	Blind control II insert 6411 U-101 / 6411 U/S-101	690 VA, 3A with cos phi 0.5			X	X									X (Timer with 3-minute contact for lowering and raising blinds)	

X .....combination possible
1.) Optional IR remote control with hand-held transmitter 6010-25

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 220 AlarmLINE [1]
incl. IR remote control
Mounting Type: Surface-mounted
Electronic movement detector for detecting thermal motion.
For potential-free operation.
With additional, separately evaluated detection level (safety zone).
With optical alarm and second switch output for detection in the safety zone.
Remote control possible via IR remote control 6841 (included in delivery).
Remote configurable via IR service remote control 6842.
With display for detection and operation mode.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Detection sensitivity selectable in 3 steps.
Surveillance density: 104 sectors with 416 switching segments.
All functions controlled by microprocessor.
Permanent light and presence simulation can be activated via remote control.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 10 AX, cos φ 0.6
Rated power: 2300 W/VA
Control/Signal outputs: 1, Normally open contact, potential free
Rated power: 0.12 - 2300 W/VA
Detection range: frontal: 16 m, lateral: 16 m
Detection range 2: frontal: 6 m, lateral: 6 m
Aperture angle: 220 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	**6849 AGM-201**	6800-0-2311	1
204 white	**6849 AGM-204-500**	6800-0-2314	1
208 silver metallic	**6849 AGM-208**	6800-0-2313	1
35 anthracite	**6849 AGM-35**	6800-0-2312	1

1) In combination with a relay/contactor, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack Qty

Busch-Watchdog 90 ProfessionalLINE [1]
Mounting Type: Surface-mounted
Electronic movement detector for detecting thermal motion.
With display for detection and operation mode.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Surveillance density: 50 sectors with 200 switching segments.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay option: 1 / 3 or 5 min.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 16 AX, cos φ 0.6
Rated power: 3680 W/VA
Detection range: frontal: 12 m, lateral: 6 m
Aperture angle: 90 °
Brightness limit value: 3 Lux / 15 lux / daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	**6853 AGM-201**	6800-0-2318	1
204 white	**6853 AGM-204-500**	6800-0-2321	1/10
208 silver metallic	**6853 AGM-208**	6800-0-2320	1
35 anthracite	**6853 AGM-35-500**	6800-0-2322	1

1) In combination with a relay/contactor, an RC suppressor 6899 has to be used.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 220 ProfessionalLINE [1]
incl. IR remote control
Mounting Type: Surface-mounted
Electronic movement detector for detecting thermal motion.
Remote control possible via IR remote control 6841 (included in delivery).
Remote configurable via IR service remote control 6842.
With display for detection and operation mode.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Detection sensitivity selectable in 3 steps.
Surveillance density: 84 sectors with 336 switching segments.
All functions controlled by microprocessor.
Permanent light and presence simulation can be activated via remote control.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 16 AX, cos φ 0.6
Rated power: 3680 W/VA
Detection range: frontal: 16 m, lateral: 16 m
Aperture angle: 220 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

204	white	**6845 AGM-204-500**	6800-0-2300	1/10
201	brown	**6845 AGM-201-500**	6800-0-2301	1
208	silver metallic	**6845 AGM-208-500**	6800-0-2303	1
35	anthracite	**6845 AGM-35-500**	6800-0-2302	1

without IR mobile remote control

204	white	**6845/11AGM-204-500**	6800-0-2334	1
201	brown	**6845/11AGM-201-500**	6800-0-2335	1
35	anthracite	**6845/11 AGM-35-500**	6800-0-2336	1
208	silver metallic	**6845/11AGM-208-500**	6800-0-2337	1

1) In combination with a relay/contactor, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 220 SelectLINE [1]
Mounting Type: Surface-mounted
Electronic movement detector for detecting thermal motion.
Remote control possible via IR mobile remote control 6841.
Remote configurable via IR service remote control 6842.
With display for detection and operation mode.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
For detection in combination with animal corridor.
Detection sensitivity selectable in 3 steps.
Surveillance density: 28 sectors with 112 switching segments.
All functions controlled by microprocessor.
Permanent light and presence simulation can be activated via remote control.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 16 AX, cos φ 0.6
Rated power: 3680 W/VA
Detection range: frontal: 16 m, lateral: 16 m
Aperture angle: 220 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 1.1 m - 1.5 m alternative: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

204	white	**6845 AGS-204**	6800-0-2315	1/10
35	anthracite	**6845 AGS-35**	6800-0-2316	1

1) In combination with a relay/contactor, an RC suppressor 6899 has to be used.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 280 ProfessionalLINE [1]
incl. IR remote control
Mounting Type: Surface-mounted
Electronic movement detector for detecting thermal motion.
Remote control possible via IR remote control 6841 (included in delivery).
Remote configurable via IR service remote control 6842.
With display for detection and operation mode.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Detection sensitivity selectable in 3 steps.
Surveillance density: 110 sectors with 440 switching segments.
All functions controlled by microprocessor.
Permanent light and presence simulation can be activated via remote control.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 16 AX, cos φ 0.6
Rated power: 3680 W/VA
Detection range: frontal: 16 m, lateral: 16 m
Aperture angle: 280 °
Brightness limit value: 0.5 Lux - 300 Lux , daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

204 white	**6846 AGM-204-500**	6800-0-2307	1
201 brown	**6846 AGM-201-500**	6800-0-2308	1
35 anthracite	**6846 AGM-35-500**	6800-0-2309	1

1) In combination with a relay/contactor, an RC suppressor 6899 has to be used.

Corner Adapter
Mounting Type: Surface-mounted
For Busch Watchdog® Professional/Select and AlarmLINE.
For detection on two sides of the house, in combination with Busch Watchdog® 280 ProfessionalLINE.
Assembly is on the corner of the house.
Suitable for mounting on down-pipes
For flush or surface wiring.
Mounting height: 2.5 m
Dimensions: (L x W x D): 97 mm x 100 mm x 60 mm

204 white	**6887-204-500**	6899-0-0292	1
201 brown	**6887-201-500**	6899-0-0293	1
35 anthracite	**6887-35-500**	6899-0-0294	1

IR Remote Control [1]
For Busch Watchdog® Professional/Select and AlarmLINE.
The following functions can be activated:
For function: Permanent lighting ON/OFF (4 hr).
Presence simulation ON/OFF.
With coded transmission signal.
Power supply: lithium button cell battery Type CR2025.
Rated voltage: 3 V-
Detection range: frontal: 6 m
Dimensions: (L x W x D): 87 mm x 40 mm x 7 mm

6841-500	6899-0-0296	

1) Battery included in delivery.

Product	Article-No.	Order-No.	Pack Qty

IR Service Remote Control [1]
For Busch Watchdog® Professional/Select and AlarmLINE.
The following functions/settings can be activated depending on device type:
For function: Permanent lighting ON/OFF (4 hr).
Presence simulation ON/OFF.
For function: Optical alarm active/inactive.
For function: Switch output safety zone active/inactive.
Test operation ON/OFF.
Direction detection ON/OFF.
Automatic switch-off (after 90 min.) ON/OFF.
Daytime operation of safety zone active/inactive.
Potential-free operation active/inactive.
Sensitivity - / normal/ +.
Reset to factory default settings.
With coded transmission signal.
Power supply: lithium button cell battery Type CR2025.
Rated voltage: 3 V-
Detection range: frontal: 6 m
Dimensions: (L x W x D): 94 mm x 53 mm x 7 mm

	6842	6899-0-0299	1

1) Battery included in delivery.

Busch Watchdog Presence tech [1]
Mounting Type: Flush-mounted
For switching and dimming lighting systems that depend on brightness and movement.
For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101.
For heating/air-conditioning/ventilation adjustment in combination with serial insert 6402 U.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For extension insert 6805 U.
Remote control possible via IR mobile remote control 6010-25.
Surveillance zone (for installation height 2.5 m): circular, 8 m diameter.
Intelligent turn-on delay.
Surveillance density: 72 sectors with 640 switching elements.
Switch-off delay: approx. 10 sec - 30 min or short-time pulse 1 sec adjustable.
Aperture angle: 360 °
Brightness limit value: 5 Lux - 1000 Lux
Mounting height: 2.5 m
Protection class (Device): IP 20
Temperature range (Device): 0 °C to 35 °C
60669-2-1, British Standard EN 60669-2-1

24 studio white	**6813-101-500**	6800-0-2178	1/10
183 aluminium silver	**6813-183-101-500**	6800-0-2324	1

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Please order the respective flush mounted insert separately.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog® Presence tech DualLINE [1]
Mounting Type: Flush-mounted
For switching and dimming lighting systems that depend on brightness and movement.
For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101.
For the control of 2 independent light strips in combination with 2gang 1way unit 6402 U.
For semiautomatic and fully automatic operation.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For extension insert 6805 U.
Remote control possible via IR mobile remote control 6010-25.
Surveillance zone (for installation height 2.5 m): circular, 8 m diameter.
Intelligent turn-on delay.
Surveillance density: 72 sectors with 640 switching elements.
Switch-off delay: approx. 1 sec - 20 min or short-time pulse adjustable.
Aperture angle: 360 °
Brightness limit value: 5 Lux - 1000 Lux
Mounting height: 2.5 m
Protection class (Device): IP 20
Temperature range (Device): 0 °C to 35 °C
60669-2-1, British Standard EN 60669-2-1

24	studio white	**6813/11-24-500**	6800-0-2350	1
183	aluminium silver	**6813/11-183-500**	6800-0-2352	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Please order the respective flush mounted insert separately.

Box
Mounting Type: Surface-mounted
For Busch Watchdog Presence tech.
For installing an flush mounted insert in combination with the Busch Watchdog Presence tech 6813(/11)-xx-101 or Busch Watchdog Presence EIB 6131-xx-102.
Protection class (Device): IP 20

white		**6885-500**	6899-0-0282	1/10
aluminium silver		**6885-183-500**	6899-0-0298	1

Product	Article-No.	Order-No.	Pack Qty

Busch-Watchdog MOS-Fet Insert [1] [2] [3]
Mounting Type: Flush-mounted
2-wire connection.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 60 - 420 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6804 U-101-500 6800-0-2219 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Busch Watchdog Relay Mechanism
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Rated voltage: 230 V, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated power: 700 W/VA
Temperature range (Device): 0 °C to 55 °C
British Standard EN 60669-2-1

6812 U-101-500 6800-0-2160 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500 6590-0-0171 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500 6401-0-0049 1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert [1]
max. 1270 W/VA 10 AX
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 127 V~
Rated frequency: 60 Hz
Outputs: 1 Normally open contact, potential-bound
Rated current: 10 AX
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-127-500 6401-0-0050 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6550 U-101-500 6550-0-0042 1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Universal 2gang 1way Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For operation mode 2gang 1way: 2 separate outputs.
For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover 6430-xxx-10x and 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

	6805 U-500	6800-0-2161	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

Insert for combination with flush-mounted inserts [1])
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations.
For combination with relay insert 6401 U-102 and 6402 U.
For combination with MOS-Fet insert 6804 U-101.
For combination with Dimmer insert 6593 U and 6550 U-101.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Control/Signal outputs: 1, electronic output, potential-bound
Temperature range (Device): 0 °C to 35 °C

	6805 U	6800-0-1468	1/10

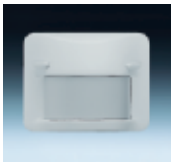
Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

1) Not combinable with relay switch insert 6812 U-101.

Product	Article-No.	Order-No.	Pack Qty



Busch Watchdog 180 flush mounted comfort sensor II [1])
with select-lens
Mounting Type: Flush-mounted
For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U.
Detection with animal access
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Surveillance density: 18 sectors with 72 switching segments.
Detection range: frontal: 12 m, lateral: 8 m
Aperture angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , daytime operation
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

alpha bs®

20	platinum	**6800-20-104**	6800-0-2068	1
21	bronze	**6800-21-104**	6800-0-2069	1
22G	ivory	**6800-22G-104**	6800-0-2070	1
24	studio white	**6800-24-104**	6800-0-2071	1/10
260	palladium	**6800-260-104**	6800-0-2118	1/10
266	titanium	**6800-266-104**	6800-0-2120	1/10

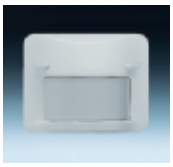
1) Please order the respective flush mounted insert separately.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty
	Busch Watchdog 180 flush mounted comfort sensor II [1] **with select-lens** Mounting Type: Flush-mounted For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Detection with animal access With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surveillance density: 18 sectors with 72 switching segments. Detection range: frontal: 12 m, lateral: 8 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	future®		
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10
85 manhattan/ graphite	**6800-85-104**	6800-0-2103	1/10
89 stone/light grey	**6800-89-104**	6800-0-2157	1
	future® linear		
81 anthracite	**6800-81-104**	6800-0-2268	1
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
83 aluminium silver	**6800-83-104**	6800-0-2325	1
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10
89 stone/light grey	**6800-89-104**	6800-0-2157	1
	carat®		
81 anthracite	**6800-81-104**	6800-0-2268	1
82 savanna/ivory white	**6800-82-104**	6800-0-2099	1/10
84 davos/studio white	**6800-84-104**	6800-0-2101	1/10
	pure stainless steel		
866 stainless steel	**6800-866-104**	6800-0-2343	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty
	**Busch Watchdog 180 flush mounted comfort sensor II** [1] [2] **with multi-lens** Mounting Type: Flush-mounted For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Aperture angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	alpha bs®		
20 platinum	**6800-20-104M**	6800-0-2084	1
21 bronze	**6800-21-104M**	6800-0-2085	1
22G ivory	**6800-22G-104M**	6800-0-2086	1
24 studio white	**6800-24-104M**	6800-0-2087	1
260 palladium	**6800-260-104M**	6800-0-2119	1/10
266 titanium	**6800-266-104M**	6800-0-2121	1/10

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 180 flush mounted comfort sensor II [1] [2]
with multi-lens
Mounting Type: Flush-mounted
For automatic switching of devices dependent on motion and brightness.
For down-to-ground detection.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For Dimmer insert 6593 U.
For extension insert 6805 U.
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Surveillance density: 28 sectors with 112 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Detection range: frontal: 15 m, lateral: 5 m
Aperture angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , daytime operation
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

		future®		
82	savanna/ivory white	**6800-82-104M**	6800-0-2100	1
84	davos/studio white	**6800-84-104M**	6800-0-2102	1/10
85	manhattan/ graphite	**6800-85-104M**	6800-0-2104	1
89	stone/light grey	**6800-89-104M**	6800-0-2158	1
		future® linear		
81	anthracite	**6800-81-104M**	6800-0-2269	1
82	savanna/ivory white	**6800-82-104M**	6800-0-2100	1
83	aluminium silver	**6800-83-104M**	6800-0-2327	1
84	davos/studio white	**6800-84-104M**	6800-0-2102	1/10
89	stone/light grey	**6800-89-104M**	6800-0-2158	1
		carat®		
81	anthracite	**6800-81-104M**	6800-0-2269	1
82	savanna/ivory white	**6800-82-104M**	6800-0-2100	1
84	davos/studio white	**6800-84-104M**	6800-0-2102	1/10
		pure stainless steel		
866	stainless steel	**6800-866-104M**	6800-0-2344	1

1) position for installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack Qty

Busch Watchdog 180 flush mounted comfort sensor II for All Weather 44 [1] [2]
with combi-lens
Mounting Type: Flush-mounted
For automatic switching of devices dependent on motion and brightness.
For use outdoors.
For down-to-ground detection.
For relay switch insert 6401 U-102.
IP 44 only in conjunction with styling frames All Weather 44.
Surveillance density: 40 sectors with 160 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
With screw-type terminal.
Detection range: frontal: 15 m, lateral: 10 m
Aperture angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , daytime operation
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 44
Temperature range (Device): -25 °C to 55 °C
Position for installation: vertical

32	white	**6800-32-102C**	6800-0-1898	1
34	alpine white	**6800-34-102C**	6800-0-1674	1
35	anthracite	**6800-35-102C**	6800-0-1740	1

1) Delivered with sealing ring.
2) Please order the respective flush mounted insert separately.

RC-quenching circuit
For protection against the damage or destruction of electronic devices due to overvoltages.
For wiring network-interconnected inductivities (e.g.. relay, protection, fluorescent lamps, transformers, etc.).
Eliminates functional disturbances on electronic devices, e.g. automatic circuit reclosure (clocking) of a motion detector.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz

6899	6899-0-0231	10

Dusk switch [1] [2]
Mounting Type: Surface-mounted
Switch-on/switch-off delay: approx. 3-6 min non-adjustable.
Rated voltage: 230 V~
Rated frequency: 50 Hz
Rated current: 16 AX
Rated power: 3680 W/VA
Brightness limit value: 3 Lux - 500 Lux nominal
Protection class (Device): IP 44
Temperature range (Device): -35 °C to 55 °C

53	grey	**2240 W-53**	6500-0-0791	1/10

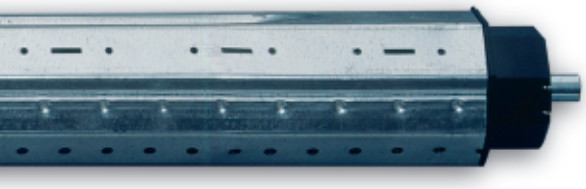
1) See lettering sheets 1799-13 and lettering software.
2) window non-illuminable.

Further technical details
www.busch-jaeger.com

The Busch-Watchdog manual can be obtained free of charge from our central sales department.

The right amount of light and shade.

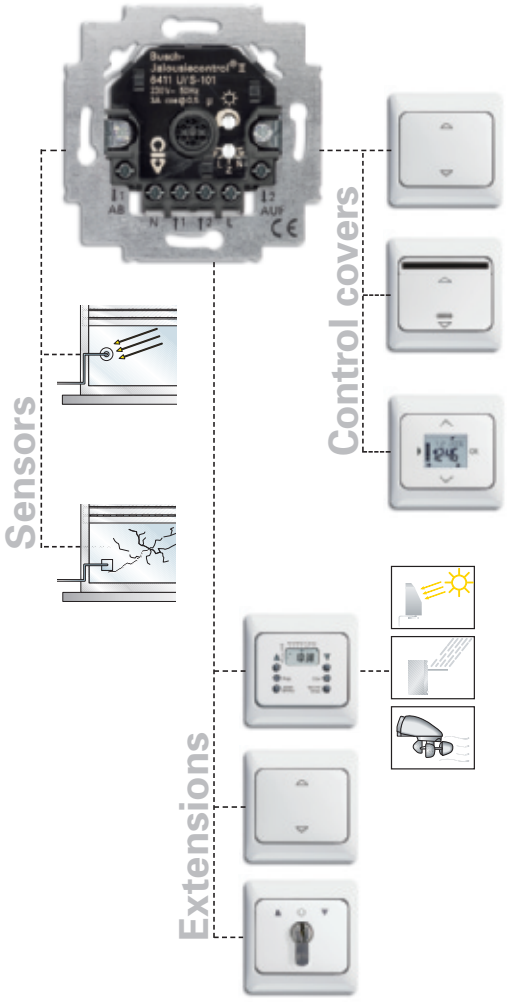
Sunlight is essential, but it can also dazzle, distract and even destroy. How can you let as much light as possible into the house or flat – but prevent glare or block dazzling light? It's very simple! With modern automatic blind control systems.



Busch Blind Control II motor installation kit

The complete set for a quick and cost-efficient installation is now available to installers.

Possible combinations
Busch Blind Control II inserts



Material: Duroplast/Thermoplast (PC) cover, impact-resistant (thermoplastic only), UV-resistant, weather-proof, PVC- and halogen free.

Blind Control

Mechanical Blind Control Switch/Push Switch with Rotary Knob
Switch Range *alpha bs*®. Colour: studio white.

Comfort Timer Operating Element
Switch Range *alpha bs*®. Colour: studio white.

As individual as the requirements of the user.

The control of blinds and shutters is as diverse as the rhythm of life of each user - you can choose between push-button control in each room, remote control, individual or combined control, time control or light- and weather-dependent control.

Control cover IR-B

The IR control cover for IR-Busch Blind Control II allows operation locally (like a mechanical control) but additionally the convenient operation via infrared remote control. In addition to electrical motors the remote control can also operate lighting etc.

Comfort Timer Control Element

With the Comfort Timer Control Element, shutters and blinds can be opened and closed manually and with timer control. Using a brightness sensor, which is available as an optional extra, the roller shutters are activated according to brightness or darkness. In addition, the timer has a holiday function, which varies the opening and closing times randomly. With the holiday function, human presence can be simulated.

Memory Control Element

The Busch Memory Switch is characterised by simple operation and programming. In order to program the device, the blind is simply lowered and raised at the desired time. These times are stored and then automatically repeated every 24 hours.

Weather Station

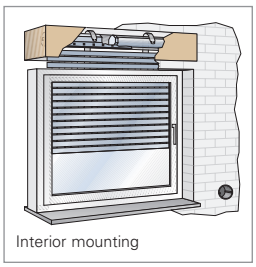
Various sensors (wind, sun, rain) can be connected to the Busch Wind/Sun Sensor Insert (Weather Station) to ensure a comfortable room environment.

Blind Control rotary switch

The mechanical rotary switch fulfils the same function as the blind switch rocker control.

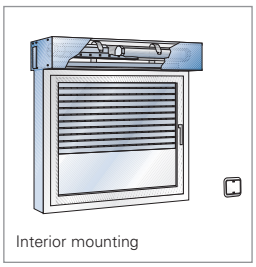
The Busch Blind Control II motor installation kit is ideal for the electrification of roller blinds in your house – whether your house is an old building or a new construction.

The set can cover window widths from 78 to 180 cm.



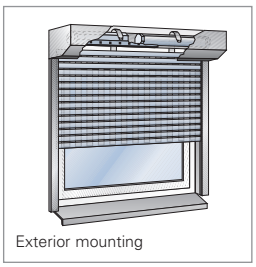
Interior mounting

Roller shutter system
During the shell construction of the building the opening will be prepared by the bricklayer above the aperture.



Interior mounting

Fitted shutter
The fitted shutter is attached to the window and installed together with the window.



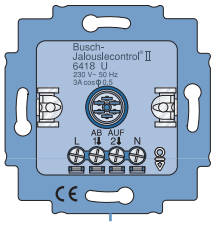
Exterior mounting

Front-mounted shutter
This shutter was developed specifically for retrofitting during renovation of older buildings.

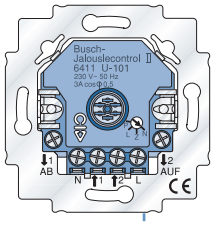
New comfort - The Busch-Timer®
for blind and light management.

The modular construction of the entire product line enables different flush-mounted devices to be combined with different variations of timer. An important advantage of the new concept - a mechanical operating element can be replaced at a later time without any problem by a Standard or Comfort Timer without changing the flush-mounted inserts.UP-E Not only blind management is rendered possible in this way. Together with the Timer, a Dimmer insert can also ensure that lamps can be switched to different levels of brightness at the switching times. Even pond pumps or the external lighting can easily be controlled via the Timer in combination with a relay insert.

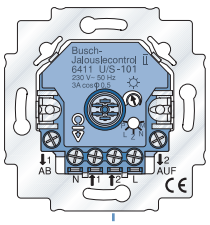
Busch Blind Basic Insert 6418 U

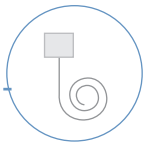


Busch Blind Control Insert S 6411 U-101

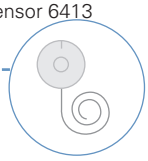


Busch Blind Control Insert S 6411 U/S-101

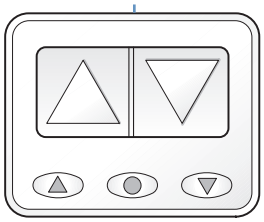




Burglar alarm sensor 6413

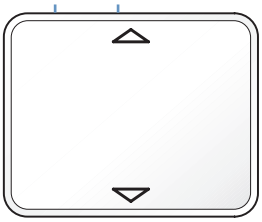


Brightness sensor 6414

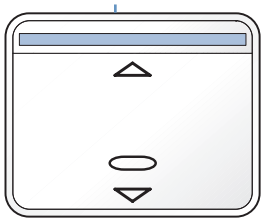


Memory operating element 6457

Standard Timer operating element6456



Operating element 6430-xxx-102



Operating element 6066-xxx-10xIR-B

Comfort Timer operating element 6455

Modular design of electronic inserts and control covers

	Picture of control cover									
	Control cover	1785 JA-xx	1740-xx	2557 SLPZ-212-101	6430-xxx-xxx	6066-xxx	6457	6456	6455	
	Designation of control cover	Switch rocker for blind switch/push button	Cover plate with rotary knob for blind switch/push button	Cover plate for profile half cylinder-touch latching switch/push button	Control cover	IR control cover illuminated	Memory control cover	Standard timer control cover	Comfort timer operating element	Includes control cover
	FM insert	2000/4 US 2020/4 US	2713 U 2723 U	2713 USL-101 2723 USL-101	6411 U-101 6411 U/S-101 6418 U	6411 U-101 6411 U/S-101	6418 U	6418 U	6411 U-101 6411 U/S-101	6480 U-102
	Designation of FM insert	Blind control switch/push button	Blind control switch/push button Rotary knob	Blind switch/push button insert Profile half cylinder	Busch Blind Control II insert Busch Blind Basic Insert	Busch Blind Control II insert	Busch Blind Basic insert	Busch Blind Basic insert	Busch Blind Control II insert	Busch Wind and Sun Sensor insert
Function	· Local operation	X	X	X	X	X	X	X	X	X
Function	Extension input				X (only 6411 U-101/ 6411 U/S-101)	X			X	
Function	Party function				X (only 6411 U-101/ 6411 U/S-101)	X				
Function	IR reception					X				
Timer	24-h rhythm						X	X	X	
Timer	Block/Individual control times							X	X	
Timer	Astro function							X	X	
Sensor	Integrated temperature sensor									X
Sensor	Brightness sensor (Sun-dependent control)				6414 (only 6411 U/S-101)	6414 (only 6411 U/S-101)			6414 (only 6411 U/S-101)	6482
Sensor	Brightness sensor (Sun-dependent control)								6414 (only 6411 U/S-101)	
Sensor	Burglar-alarm sensor				6413 (only 6411 U/S-101)	6413 (only 6411 U/S-101)			6413 (only 6411 U/S-101)	
Sensor	Wind sensor									6481-102
Sensor	Rain sensor									see catalogue

X = Combination possible

You can find the Modular design for Busch-Timer® on page 51.

Product	Article-No.	Order-No.	Pack Qty

Blind switch insert [1] [2]
SP
Mounting Type: Flush-mounted
With block against simultaneous switching.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

	switch		
	2000/4 US	1012-0-1309	10/100
	Blind switch		
	2020/4 US	1413-0-0590	10/100

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) These blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

Blind switch insert [1] [2] [3]
Mounting Type: Flush-mounted
With rotary knob/switch and push switch.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1, British Standard EN 60669-1

	DP		
	2712 U	1101-0-0534	10
	1 P + N + E		
	2713 U	1101-0-0542	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Supplied with an adapter plate which must be filled with this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Blind switch insert [1] [2] [3]
Mounting Type: Flush-mounted
With rotary knob/push button.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

	DP		
	2722 U	1101-0-0559	10
	1 P + N + E		
	2723 U	1101-0-0567	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Product	Article-No.	Order-No.	Pack Qty

Blind Switch/Push Switch [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/switch and push switch.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

	DP		
	2712 USL-101	1101-0-0872	10
	1 P + N + E		
	2713 USL-101	1101-0-0880	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for activating direct voltage drives.

Blind switch insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/push button.
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 A
British Standard EN 60669-1, IEC60669-1

	DP		
	2722 USL-101	1101-0-0898	10
	1 P + N + E		
	2723 USL-101	1101-0-0906	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for activating direct voltage drives.

Switch Rocker
with marking
Mounting Type: Flush-mounted
As cover for flush mounted blind control switch/push switch.
For inserts 2000/4 and 2020/4 US.

alpha bs®

20	platinum	**1785 JA-20**	1751-0-1823	10
21	bronze	**1785 JA-21**	1751-0-1831	10
22G	ivory	**1785 JA-22G**	1751-0-2581	10
24	studio white	**1785 JA-24**	1751-0-1922	10
260	palladium	**1785 JA-260**	1751-0-2831	10/100
266	titanium	**1785 JA-266**	1751-0-2842	10/100
23G	gold	**1785 JA-23G**	1751-0-2793	10

Cover Plate
with rotary control, with marking
Mounting Type: Flush-mounted
As cover for flush mounted blind control switch/push switch.
for inserts 2712/2713 U and 2722/2723 U.

alpha bs®

20	platinum	**1740 DR-20**	1753-0-1092	10
21	bronze	**1740 DR-21**	1753-0-1175	10
22G	ivory	**1740 DR-22G**	1710-0-2330	10
23G	gold	**1740 DR-23G**	1710-0-3257	
24	studio white	**1740 DR-24**	1753-0-1555	10
260	palladium	**1740 DR-260**	1710-0-3302	10
266	titanium	**1740 DR-266**	1710-0-3328	10

Further technical details
www.busch-jaeger.com

Das Busch-Jalousiecontrol® II-Handbuch ist kostenlos über unseren Zentralen Vertriebsservice erhältlich.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with marking** Mounting Type: Flush-mounted As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	alpha bs®		
20 platinum	**1755 PZ-20-101**	1710-0-1498	10
21 bronze	**1755 PZ-21-101**	1710-0-1506	10
22G ivory	**1755 PZ-22G-101**	1710-0-2348	10
24 studio white	**1755 PZ-24-101**	1710-0-1514	10
260 palladium	**1755 PZ-260-101**	1710-0-3303	10
266 titanium	**1755 PZ-266-101**	1710-0-3329	10
	Switch Rocker **with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	future®		
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100
85 manhattan/ graphite	**1785 JA-85**	1751-0-2764	10/100
89 stone/light grey	**1785 JA-89**	1751-0-2888	10
	future® linear		
81 anthracite	**1785 JA-81**	1751-0-2934	10
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
83 aluminium silver	**1785 JA-83**	1751-0-2944	10/100
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100
89 stone/light grey	**1785 JA-89**	1751-0-2888	10
	carat®		
81 anthracite	**1785 JA-81**	1751-0-2934	10
82 savanna/ivory white	**1785 JA-82**	1751-0-2748	10
84 davos/studio white	**1785 JA-84**	1751-0-2756	10/100
	pure stainless steel		
866 stainless steel	**1785 JA-866**	1751-0-2964	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate **with rotary control, with marking** Mounting Type: Flush-mounted As cover for flush mounted blind control switch/push switch. for inserts 2712/2713 U and 2722/2723 U.		
	future®		
82 savanna/ivory white	**1740-82**	1710-0-3154	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
85 manhattan/ graphite	**1740-85**	1710-0-3190	10
89 stone/light grey	**1740-89**	1710-0-3445	10
	future® linear		
81 anthracite	**1740-81**	1710-0-3623	10
82 savanna/ivory white	**1740-82**	1710-0-3154	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
89 stone/light grey	**1740-89**	1710-0-3445	10
83 aluminium silver	**1740-83**	1710-0-3661	10
	carat®		
81 anthracite	**1740-81**	1710-0-3623	10
82 savanna/ivory white	**1740-82**	1710-0-3154	10
84 davos/studio white	**1740-84**	1710-0-3172	10/100
	pure stainless steel		
866 stainless steel	**1740-866**	1710-0-3748	10
	Cover Plate [1] **with window** Mounting Type: Flush-mounted with marking. For half-cylindrical type switches and Blind Control Switch/Push Switch. For inserts 2733 USL-101 and 2712/2713/2722/2723 USL-101.		
	future®		
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10
85 manhattan/ graphite	**1755 SL/PZ-85-101**	1710-0-3193	10
89 stone/light grey	**1755 SL/PZ-89-101**	1710-0-3448	10
	future® linear		
81 anthracite	**1755 SL/PZ-81-101**	1710-0-3626	10
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
83 aluminium silver	**1755 SL/PZ-83-101**	1710-0-3662	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10
89 stone/light grey	**1755 SL/PZ-89-101**	1710-0-3448	10
	carat®		
81 anthracite	**1755 SL/PZ-81-101**	1710-0-3626	10
82 savanna/ivory white	**1755 SL/PZ-82-101**	1710-0-3157	10
84 davos/studio white	**1755 SL/PZ-84-101**	1710-0-3175	10
	pure stainless steel		
866 stainless steel	**1755 SL/PZ-866-101**	1710-0-3749	10

1) For marking plate 1799 18 and lettering software, see www.busch-jaeger.com.

Further technical details
www.busch-jaeger.com

Das Busch-Jalousiecontrol® II-Handbuch ist kostenlos über unseren Zentralen Vertriebsservice erhältlich.

Product	Article-No.	Order-No.	Pack Qty
	Busch Blind Control Switch Insert [1] [2] Mounting Type: Flush-mounted Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR-Control Cover 6066-xx-xxx. For Comfort timer control cover 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-500-101	6410-0-0378	1/10

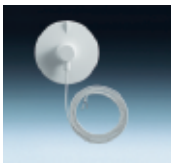
1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch Blind Control Switch Insert [1] [2] Mounting Type: Flush-mounted Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Ability to connect for brightness sensor 6414 and burglar alarm sensor 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR-Control Cover 6066-xx-xxx. For Comfort timer control cover 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch Blind Control Switch Insert [1] [2] [3] Mounting Type: Flush-mounted With two 127 V multi-way input terminals (Up/Down) for group control. Running time: 3 min Rated voltage: 127 V~, +10 % / -10 % Rated frequency: 60 Hz Outputs: 2 Normally open contact Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6411 U-127-500	6410-0-0350	1/10

1) Suitable for multi-phase operation.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Compatible with types 6410 U, 6410 U-10x.

Product	Article-No.	Order-No.	Pack Qty
	**Light Sensor** Mounting Type: Component part For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10/10
	Burglar-Alert Sensor Mounting Type: Component part For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10/10
	Comfort timer control cover [1] Mounting Type: Flush-mounted For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch Blind Control® II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. Combined with the Busch Universal Master Dimmer® insert 6593 U, the brightness of the lighting can be set for every switch-on time. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch Universal Master Dimmer® insert 6593 U. for Busch Universal Touch-type Controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Standard timer control cover [1]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
With dusk to dawn program including individual adjustment and blocking time.
The controlled devices can be manually operated at any time.
Easy adjustment using menu and text-based display.
Factory-set switching times can be individually adjusted.
Automatic summer/wintertime switch-over
Switching times/programme are safely stored in the event of a mains power failure.
14-hour power reserve for time and date (maintenance-free capacitor).
Simple toggling between manual/automatic/vacation modes.
Control cover is adjustable without flush mounted insert.
2 switching times per day can be user-defined for each day of the week.
Dusk to dawn switching times and dawn to dusk switching times can be combined.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

Memory control cover [1]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

6457	6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

Basic blinds insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control cover 6457.
For Standard timer control cover 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

6418 U-500	6410-0-0376	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

Product	Article-No.	Order-No.	Pack Qty

Control cover
Mounting Type: Flush-mounted
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For basic blinds insert 6418 U.
For Busch Universal series insert 6402 U.

alpha bs®

20	platinum	**6430-20-102**	6430-0-0319	1/10
21	bronze	**6430-21-102**	6430-0-0320	1/10
22G	ivory	**6430-22G-102**	6430-0-0321	1/10
24	studio white	**6430-24-102**	6430-0-0322	1/10
260	palladium	**6430-260-102**	6430-0-0317	1/10
266	titanium	**6430-266-102**	6430-0-0318	1/10

Control cover
Mounting Type: Flush-mounted
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For basic blinds insert 6418 U.
For Busch Universal series insert 6402 U.

future®

82	savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
84	davos/studio white	**6430-84-102**	6430-0-0329	1/10
85	manhattan/ graphite	**6430-85-102**	6430-0-0330	1/10
89	stone/light grey	**6430-89-102**	6430-0-0334	1/10

future® linear

81	anthracite	**6430-81-102**	6430-0-0326	1/10
82	savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
83	aluminium silver	**6430-83-102**	6430-0-0328	1/10
84	davos/studio white	**6430-84-102**	6430-0-0329	1/10
89	stone/light grey	**6430-89-102**	6430-0-0334	1/10

carat®

81	anthracite	**6430-81-102**	6430-0-0326	1/10
82	savanna/ivory white	**6430-82-102**	6430-0-0327	1/10
84	davos/studio white	**6430-84-102**	6430-0-0329	1/10

pure stainless steel

866	stainless steel	**6430-866-102**	6430-0-0343	1/10

Busch Blind Control II built-in unit [1] [2]
2gang
Mounting Type: Built-in unit
For joint switching of 2 blind drives via a 230 V multi-way input terminal.
Additional IR remote control via IR flying receiver 6045 E-101 possible.
Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
Rated voltage: 230 V~
Rated frequency: 50 Hz
Outputs: 4 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

6420 EB-500	6420-0-0020	1

1) Suitable for multi-phase operation.
2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).

Product	Article-No.	Order-No.	Pack Qty
	IR Flying Receiver [1] Mounting Type: Built-in unit For controlling the built-in devices: 6420 built-in/6056 built-in. With approx. 0.5 m supply lead. Length of the linear lamp: 30 mm Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.		
	6045 E-101-500	6020-0-1240	1

1) Feed line cannot be extended.

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover with marking, illuminated Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	alpha bs®		
20 platinum	**6066-20-102**	6020-0-1316	10
21 bronze	**6066-21-102**	6020-0-1317	1/10
22G ivory	**6066-22G-102**	6020-0-1318	1/10
24 studio white	**6066-24-102-500**	6020-0-1371	1
260 palladium	**6066-260-102**	6020-0-1365	1/10
266 titanium	**6066-266-102**	6020-0-1366	1/10
	IR-Control Cover with marking, illuminated Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	future®		
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
85 manhattan/ graphite	**6066-85**	6020-0-1336	10/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	future® linear		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
83 aluminium silver	**6066-83**	6020-0-1383	1/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	carat®		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
	pure stainless steel		
866 stainless steel	**6066-866**	6020-0-1389	1/10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
	alpha bs®		
20 platinum	**6435-20**	6430-0-0291	10
21 bronze	**6435-21**	6430-0-0292	10
22G ivory	**6435-22G**	6430-0-0293	10
24 studio white	**6435-24**	6430-0-0294	10/100
260 palladium	**6435-260**	6430-0-0289	10
266 titanium	**6435-266**	6430-0-0290	10
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
	future®		
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10
85 manhattan/ graphite	**6435-85**	6430-0-0307	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	future® linear		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
83 aluminium silver	**6435-83**	6430-0-0305	10
84 davos/studio white	**6435-84**	6430-0-0306	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	carat®		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10
	pure stainless steel		
866 stainless steel	**6435-866**	6430-0-0344	10
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
	alpha bs®		
20 platinum	**1773 JA-20**	1724-0-2331	10
21 bronze	**1773 JA-21**	1724-0-2349	10
22G ivory	**1773 JA-22G**	1724-0-2539	10
24 studio white	**1773 JA-24**	1724-0-2356	10
260 palladium	**1773 JA-260**	1724-0-2789	10
266 titanium	**1773 JA-266**	1724-0-2794	10

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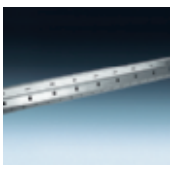
Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
	future®		
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
85 manhattan/ graphite	**1773 JA-85**	1724-0-2762	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	future® linear		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
83 aluminium silver	**1773 JA-83**	1724-0-4260	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	carat®		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
	pure stainless steel		
866 stainless steel	**1773 JA-866**	1724-0-4269	10
	Busch Blind Control II drive set [1] Mounting Type: Built-in unit For installation in all the commonly available roller-blind boxes, suitable for mini roller blinds and those in new buildings. The set contains individual parts such as the shaft, motor, bearing, holder, attachment springs, etc.. Telescopic shaft for simple fitting to the widow width. Maintenance-free motor with mechanical limit switch switch-off. Minimum width of roller blind box: 0.78 m Maximum window width: 1.8 m Range of application: Wood/aluminium: 3 m² Plastic: 5 m² Speed: 12 rpm, torque: 17 Nm Mains voltage: 230V, 50Hz, power input: 0.6 A Connecting cable: 3 m Octagonal steel shaft: SW50 Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated current: 0.6 A, cos φ 0.9 Rated power: 130 W Protection class (Device): IP 44 Temperature range (Device): -40 °C to 80 °C		
	6445	6410-0-0368	
	**Octagonal steel shaft SW50** Octagonal steel shaft for holding tube motors. Suitable for Busch Blind Control II drive set 6445. Length: 2m Maximum permissible window width when using the optional octagon shaft for roller blinds: Plastic roller blind: 2.3 m with a max. window height of 2.5 m Aluminium roller blind: 2.1 m with a max. window height of 2.25 m Wooden roller blinds: 1.8 m with a max.window height of 1.75 m		
	6499	6410-0-0369	

1) For switching motors in parallel, use cut-off relay 6415.

Product	Article-No.	Order-No.	Pack Qty
	Busch Blind Control II cut-off relay 2gang Mounting Type: Flush-mounted For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U, 6411 U/S or 6454 U-10x). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Temperature range (Device): -25 °C to 50 °C		
	6415	6410-0-0302	10
	Busch Blind Control II cut-off relay DC drives 2gang Mounting Type: Flush-mounted For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U, 6411 U/S or 6454 U-10x). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. The device requires an external supply voltage of 12-48 V DC. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2 Normally open contact Rated current: 3 A Temperature range (Device): -25 °C to 50 °C		
	6415/24	6410-0-0363	1/10
	Capacitor set [1] Mounting Type: Flush-mounted For supplying power to the basic blinds insert 6418 U if it cannot be supplied with sufficient power (current) from the motor and no neutral conductor can be connected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Temperature range (Device): -25 °C to 50 °C		
	6498	6410-0-0383	1/10

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.

	Busch Wind and Sun blind switch [1] [2] [3] [4] [5] **with automatic switching control** Mounting Type: Flush-mounted For controlling blind or awning motors. Adjustable light, wind and temperature value. With internal temperature sensor. Sun, wind and rain sensor can be connected externally. With intermediate position for awnings and turning position for blinds. Impulse duration: 30 sec to 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Normally open contact, potential free Rated current: 3 A, cos φ 0.6 Rated power: 690 VA Temperature range (Device): -5 °C to 50 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6480 U-102	6410-0-0371	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) See sun sensor and wind sensor.
3) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
4) Measured value transmitters for precipitation can be purchased from Fa.Warema Renckhoff GmbH, 97828 Marktheidenfeld, Germany. Measured value transmitter, precipitation Art. No. 1002325, power pack Art. No. 629065, pipe assembly set Art. No. 1003255.
5) For use only in conjunction with Wind Sensor 6481-102.

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Product	Article-No.	Order-No.	Pack Qty
	Wind Sensor Mounting Type: Surface-mounted For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1
	Sun Sensor Mounting Type: Surface-mounted For Busch Wind and Sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1
	Cover Plate Mounting Type: Flush-mounted For Busch Wind and Sun blind switch insert 6480 U-10x. *alpha bs®*		
20 platinum	**1775 S/W-20-101**	1710-0-3127	10
21 bronze	**1775 S/W-21-101**	1710-0-3128	10
22G ivory	**1775 S/W-22G-101**	1710-0-3129	10
24 studio white	**1775 S/W-24-101**	1710-0-3130	10
260 palladium	**1775 S/W-260-101**	1710-0-3308	10
266 titanium	**1775 S/W-266-101**	1710-0-3334	10
	Cover Plate Mounting Type: Flush-mounted For Busch Wind and Sun blind switch insert 6480 U-10x. future®		
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
85 manhattan/ graphite	**1775 S/W-85-101**	1710-0-3192	10
89 stone/light grey	**1775 S/W-89-101**	1710-0-3447	10
	future® linear		
81 anthracite	**1775 S/W-81-101**	1710-0-3625	10
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
83 aluminium silver	**1775 S/W-83-101**	1710-0-3663	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
89 stone/light grey	**1775 S/W-89-101**	1710-0-3447	10
	carat®		
81 anthracite	**1775 S/W-81-101**	1710-0-3625	10
82 savanna/ivory white	**1775 S/W-82-101**	1710-0-3156	10
84 davos/studio white	**1775 S/W-84-101**	1710-0-3174	10
	pure stainless steel		
866 stainless steel	**1775 S/W-866-101**	1710-0-3750	10

Product	Article-No.	Order-No.	Pack Qty
	Busch Blind Control Switch Insert [1] [2] Mounting Type: Flush-mounted Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR-Control Cover 6066-xx-xxx. For Comfort timer control cover 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-500-101	6410-0-0378	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack Qty
	Busch Blind Control Switch Insert [1] [2] Mounting Type: Flush-mounted Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Ability to connect for brightness sensor 6414 and burglar alarm sensor 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR-Control Cover 6066-xx-xxx. For Comfort timer control cover 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Busch-Timer®
for blind control

Product	Article-No.	Order-No.	Pack Qty

Standard timer control cover [1]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
With dusk to dawn program including individual adjustment and blocking time.
The controlled devices can be manually operated at any time.
Easy adjustment using menu and text-based display.
Factory-set switching times can be individually adjusted.
Automatic summer/wintertime switch-over
Switching times/programme are safely stored in the event of a mains power failure.
14-hour power reserve for time and date (maintenance-free capacitor).
Simple toggling between manual/automatic/vacation modes.
Control cover is adjustable without flush mounted insert.
2 switching times per day can be user-defined for each day of the week.
Dusk to dawn switching times and dawn to dusk switching times can be combined.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

	6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

Memory control cover [1]
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

	6457	6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

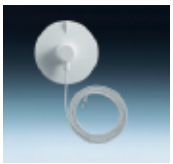
Basic blinds insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control cover 6457.
For Standard timer control cover 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

	6418 U-500	6410-0-0376	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.



Light Sensor
Mounting Type: Component part
For insert 6411U/S-101.
With 2 m connecting cable.
Measuring range: 15-50,000 lux.

	6414-500	6410-0-0348	10/10

Product	Article-No.	Order-No.	Pack Qty

Burglar-Alert Sensor
Mounting Type: Component part
For insert 6411U/S-101.
With 4 m connecting cable.

	6413-500	6410-0-0349	10/10

Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500 6401-0-0049 1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500 6590-0-0171 1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Capacity Booster [1]
Mounting Type: Flush-mounted
The control is effected by a Busch Universal Master Dimmer® 6593 U or Busch Universal Rotary Dimmer 6591U-101
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6594 U-500 6590-0-0172 1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6550 U-101-500 6550-0-0042 1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Further technical details
www.busch-jaeger.com

Product	Article-No.	Order-No.	Pack Qty
	Standard timer control cover [1] Mounting Type: Flush-mounted For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack Qty
	Memory control cover [1] Mounting Type: Flush-mounted For manual and automatic switching of blinds and roller blinds. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6457	6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
	alpha bs®		
20 platinum	**6435-20**	6430-0-0291	10
21 bronze	**6435-21**	6430-0-0292	10
22G ivory	**6435-22G**	6430-0-0293	10
24 studio white	**6435-24**	6430-0-0294	10/100
260 palladium	**6435-260**	6430-0-0289	10
266 titanium	**6435-266**	6430-0-0290	10
	Cover Plate Mounting Type: Flush-mounted For Comfort timer control cover 6455. For Standard timer control cover 6456.		
	future®		
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10
85 manhattan/ graphite	**6435-85**	6430-0-0307	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	future® linear		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
83 aluminium silver	**6435-83**	6430-0-0305	10
84 davos/studio white	**6435-84**	6430-0-0306	10
89 stone/light grey	**6435-89**	6430-0-0311	10
	carat®		
81 anthracite	**6435-81**	6430-0-0303	10
82 savanna/ivory white	**6435-82**	6430-0-0304	10
84 davos/studio white	**6435-84**	6430-0-0306	10
	pure stainless steel		
866 stainless steel	**6435-866**	6430-0-0344	10
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
	alpha bs®		
20 platinum	**1773 JA-20**	1724-0-2331	10
21 bronze	**1773 JA-21**	1724-0-2349	10
22G ivory	**1773 JA-22G**	1724-0-2539	10
24 studio white	**1773 JA-24**	1724-0-2356	10
260 palladium	**1773 JA-260**	1724-0-2789	10
266 titanium	**1773 JA-266**	1724-0-2794	10

Further technical details
www.busch-jaeger.com

Short-Time Timer (Countdown-Timer)

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Memory control cover 6457.		
	future®		
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
85 manhattan/ graphite	**1773 JA-85**	1724-0-2762	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	future® linear		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
83 aluminium silver	**1773 JA-83**	1724-0-4260	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
89 stone/light grey	**1773 JA-89**	1724-0-2829	10
	carat®		
81 anthracite	**1773 JA-81**	1724-0-4251	10
82 savanna/ivory white	**1773 JA-82**	1724-0-2757	10
84 davos/studio white	**1773 JA-84**	1724-0-2760	10
	pure stainless steel		
866 stainless steel	**1773 JA-866**	1724-0-4269	10

Product	Article-No.	Order-No.	Pack Qty
	Busch short-time timer insert [1] **Countdown timer** Mounting Type: Flush-mounted For time-programmed switching of electrical consumers. With control cover, without cover plate. Minimum timer time: 1 second. Maximum timer time: 9:59:59 hours. Power reserve: 12 hr. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1 Normally open contact Rated current: 10 A, cos φ 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6465 U	6410-0-0278	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

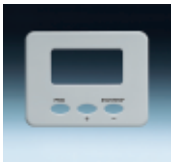
2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

	Memory control cover [1] Mounting Type: Flush-mounted For manual and automatic switching of blinds and roller blinds. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6457	6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

Product	Article-No.	Order-No.	Pack Qty
	**Cover Plate** Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U.		
	alpha bs®		
20 platinum	**1773-20**	1724-0-2158	10
21 bronze	**1773-21**	1724-0-2166	10
22G ivory	**1773-22G**	1724-0-2521	10
24 studio white	**1773-24**	1724-0-2174	10
260 palladium	**1773-260**	1724-0-2790	10
266 titanium	**1773-266**	1724-0-2795	10

Further technical details
www.busch-jaeger.com

Short-Time Timer (Countdown-Timer)

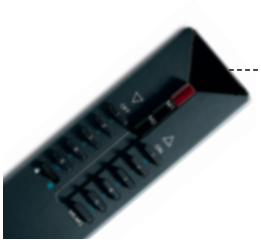
Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. future®		
82 savanna/ivory white	**1773-82**	1753-0-9907	10
84 davos/studio white	**1773-84**	1753-0-9908	10
85 manhattan/ graphite	**1773-85**	1753-0-9909	10
89 stone/light grey	**1773-89**	1753-0-9910	10
	future® linear		
81 anthracite	**1773-81**	1753-0-9906	10
82 savanna/ivory white	**1773-82**	1753-0-9907	10
83 aluminium silver	**1773-83**	1753-0-0030	10
84 davos/studio white	**1773-84**	1753-0-9908	10
89 stone/light grey	**1773-89**	1753-0-9910	10
	carat®		
81 anthracite	**1773-81**	1753-0-9906	10
82 savanna/ivory white	**1773-82**	1753-0-9907	10
84 davos/studio white	**1773-84**	1753-0-9908	10
	pure stainless steel		
866 stainless steel	**1773-866**	1753-0-0103	10
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. Only Start/Stop button can be operated. *alpha bs*®		
20 platinum	**1773/10-20**	1724-0-2596	10
21 bronze	**1773/10-21**	1724-0-2604	10
22G ivory	**1773/10-22G**	1724-0-2695	10
24 studio white	**1773/10-24**	1724-0-2612	10
260 palladium	**1773/10-260**	1724-0-2809	10
266 titanium	**1773/10-266**	1724-0-2810	10

Product	Article-No.	Order-No.	Pack Qty
	Cover Plate Mounting Type: Flush-mounted For Busch short-time timer insert 6465 U. Only Start/Stop button can be operated. future®		
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10
85 manhattan/ graphite	**1773/10-85**	1753-0-9915	10
89 stone/light grey	**1773/10-89**	1753-0-9916	10
	future® linear		
81 anthracite	**1773/10-81**	1753-0-9911	10
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
83 aluminium silver	**1773/10-83**	1753-0-0031	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10
89 stone/light grey	**1773/10-89**	1753-0-9916	10
	carat®		
81 anthracite	**1773/10-81**	1753-0-9911	10
82 savanna/ivory white	**1773/10-82**	1753-0-9912	10
84 davos/studio white	**1773/10-84**	1753-0-9914	10
	pure stainless steel		
866 stainless steel	**1773/10-866**	1753-0-0104	10

Further technical details
www.busch-jaeger.com

Ambient lighting in the twinkle of an eye.

Dimmed lighting creates atmosphere and highlights features. With the Busch-Remote Control IR you can operate individual light sources or store entire lighting scenarios which can then be recalled at the push of a button – Thus you can create the right atmosphere for each and every situation.



Hand-held transmitter

switching

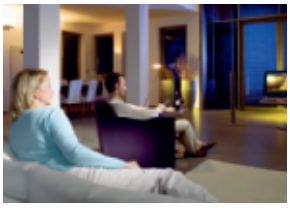
dimming

Wall-mounted transmitter

Blind

Welcoming visitors

switching/dimming



Watching TV

Enjoying music

Material: Thermoplastic cover (PC), impact-resistant, UV resistant, weather-proof, PVC- and halogen free.

Remote Control

Busch Remote Control IR hand-held transmitter

	FM Insert	Switching/Dimming	Control Cover					Unit					Timer Control Cover			
			Touch dimmer control cover 6543-xxx-10x	Control cover for Busch 2gang Dimmer 6545-xxx	Busch Blind Control® II Control Cover 6430-xxx-xxx	Busch Remote Control® IR Control Cover 6066-xxx-xxx	Busch Remote Control® IR Control Cover 6067-xxx-xxx	Busch-Watchdog Sensor Standard 6810-21x	Busch-Watchdog Sensor Comfort (Multi lens) 6800-xxx-104(M)	Busch-Watchdog Sensor All Weather 44® with combination lens 6800-3x-102C	Busch-Watchdog Presence tech 6813-xxx-101	Busch-Watchdog Presence tech 6913/11-xxx	Memory control cover 6457	Standard Timer control cover 6456	Comfort Timer operating element 6455	
Switching	Universal relay insert 6401 U-102	2300 W/VA all loads 10 AX	X (Current surge switch)				X (Current surge switch)	X	X	X (for outside, use only 6401 U-102, frost-proof to –25 °C)	X 1.)	X 1.) (optional semi-automatic/ fully automatic operation)			X Timer with maintained contact (for switching lights, pumps, etc.)	Switching
	Universal 2gang insert 6402 U	2300 W/VA all loads 10 AX	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)		X (Electronic series switches, 2 NO contacts)	X (Electronic series switch, remote control, 2 NO contacts)	X (Current surge switch, 2 NO contacts, separate run-on contact for light and fan control)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X (Output 2 with switch-on/ switch-off delay in relation to output 1)	X 1.) (Heating, air conditioning, ventilation, output 2 with switch-on/ switch off delay in relation to output 1)	X 1.) (for controlling 2 independent strip lamps)				
	Relay insert 6812 U-101	700 W/VA all loads 3 A						X	X		X 1.)	X 1.) (fully automatic operation only)				
	MOSFET insert 6804 U-101	60–240 W/VA, 230-V incandescent and halogen lamps, l.v. halogen lamps with conv. or Busch electronic transformer						X	X		X 1.)	X 1.) (optionally semi-automatic/ fully automatic operation)				
	Extension insert 6805 U	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U and 6550 U-101						X	X		X 1.)	X 1.)				
Dimming	Universal central dimmer insert 6593 U	60–420 W/VA, expandable using 6594 U on up to 735 W/ VA 230-V incandescent and halogen-lamps, l.v. halogen lamps with conv. or Busch electronic transformer	X			X		X	X (Soft OFF mode: dim down/switch off within the final minute/switch off warning)		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable brightness values)	Dimming
	Memory touch-type controller 6550 U-101	EVG =0/1-10V, LEDs with interface units, 700 W/VA, higher contact load possible with ext. relay 50-mA control current	X			X		X	X		X 1.) (Constant light control)	X 1.) (Constant light control, semi-automatic/ fully automatic operation)			X (Timer with adjustable brightness values)	
	Busch 2gang Dimmer 6565 U	2 x 40-315 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with electronic transformers		X												
	Memory touch dimmer 6560 U-101	20–500 W/VA, 230 V incandescent and halogen lamps, l.v. halogen lamps with wound transformer	X													
Blind	Blind Basic Insert 6418 U	690 VA, 3A with cos phi 0.5			X								X (Memory timer with 3-minute contact for lowering and raising blinds)	(Timer with 3-minute contact for lowering and raising blinds)		Blind
	Blind control II insert 6411 U-101 / 6411 U/S-101	690 VA, 3A with cos phi 0.5			X	X									X (Timer with 3-minute contact for lowering and raising blinds)	

X .....combination possible

1.) Optional IR remote control with hand-held transmitter 6010-25

Product	Article-No.	Order-No.	Pack Qty
	Hand Held Radio-frequency Transmitter *) Network-independent radio control For radio-frequency receiver 6865 AG/6866 AG. 3 addresses switchable (ON/OFF) and group function ALL OFF Supply from 2 alkaline manganese batteries, IEC LR03 (microcell), not included in the delivery Range in free field: approx.100 m		
	6861	6800-0-0999	1

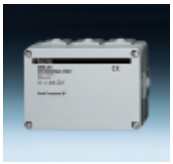
*) Phase-out type

	Built-in Radio-Frequency Transmitter Module *) Mounting Type: Built-in unit For radio-frequency receiver 6865 AG/6866 AG. For universal installation in Busch Watchdog terminal box or in branch switch boxes (e.g. Kaiser No. 1555-02 in accord. with DIN VDE 0606 or similar). 1 signal input 230 V~ for one transmission address. Range in free field: approx.100 m Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz		
	6860	6800-0-1005	10

*) Phase-out type

	Surface Mounted Radio Frequency Receiver *) **1-channel** Mounting Type: Surface-mounted Operation also via conventional push buttons (2020 US non-illuminated/2021/6 UK) possible. Controllable via up to 6 transmission addresses. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 2300 W Protection class (Device): IP 54		
	6865 AG	6800-0-0981	1/10

*) Phase-out type

	**Surface Mounted Receiver, 3 channels *)** **3-channel** Mounting Type: Surface-mounted Controllable via up to 6 transmission addresses for each channel. Functions: 3x switch/push button, or 1x blind, 1x switch/push button Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 2300 W Protection class (Device): IP 54		
	6866 AG	6800-0-1724	1

*) Phase-out type

	Busch Transcontrol® HF Testset *) Mounting Type: Surface-mounted For testing the transmission between two points inside or outside the building. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz		
	6862	6899-0-0280	1

*) Phase-out type

Product	Article-No.	Order-No.	Pack Qty
	IR Remote Control 1) 2) Network-independent infrared remote control. For infrared receiver (60xx). for Busch Watchdog Presence tech (6813/11), Forr EIB-sensors with Infrarot Interface (632x-xxx, 6129-xx und 6135-xxx). For switching/dimming up to 10 consumers in 2 groups (1-5 / 6-10). Programming and selection of 2 MEMO memories possible per group. Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery. Range: 15 m Rated voltage: 6 V-		
	6010-25-500	6020-0-1133	1

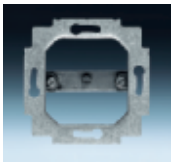
1) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
2) Except 6321- and 6326–101.

	IR Wall-Mounted Transmitter 1) 2) 3) Mounting Type: Surface-mounted Network-independent infrared remote control. For infrared receiver and EIB flush-mounted infrared interfaces 6129-xx, 6135-xx and 632x-xxx (choice of 2 Memo functions per address group and ALL OFF. The IR mobile remote control is needed to program the memories M1 and M2.). Address group switch-over (1-5/6-10) Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) Range: 15 m			
	alpha bs®			
20	platinum	**6020-20**	6020-0-0036	10/10
21	bronze	**6020-21**	6020-0-0044	10/10
24	studio white	**6020-24-500**	6020-0-1281	1

1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
2) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
3) Except 6321- and 6326–101.

	IR Wall-Mounted Transmitter 1) 2) **1-channel** Mounting Type: Surface-mounted Network-independent infrared remote control. For infrared reception and EIB flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.). Range: 15 m Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)			
	alpha bs®			
20	platinum	**6021-20**	6020-0-0754	1
21	bronze	**6021-21**	6020-0-0762	1
24	studio white	**6021-24-500**	6020-0-1315	1

1) For function together with EIB flush-mounted, infrared interface, see Technical Manual.
2) Except 6321- and 6326–101.

	**Fixing Bracket** For wall-mounted transmitter 6020-.../6021-... For commercially available flush-mounted boxes.		
	6090	6099-0-0014	10

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Comfort timer control cover 6455.
For Busch Remote Control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500	6401-0-0049	1/50

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: not applicable

Busch Universal 2gang 1way Insert
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For operation mode 2gang 1way: 2 separate outputs.
For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover 6430-xxx-10x and 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6402 U-500	6401-0-0051	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

Product	Article-No.	Order-No.	Pack Qty

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformers.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6593 U-500	6590-0-0171	1/10

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Memory Touch-type Controller [1] [2] [3]
Mounting Type: Flush-mounted
3 wire connection (neutral conductor required).
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control cover 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813(/11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6550 U-101-500	6550-0-0042	1

Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate
APBS in Dual Box only.

neon indicator: neon lamp 3855, one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Further technical details
www.busch-jaeger.com

The Busch Remote Control IR manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty

Busch Blind Control Switch Insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off.
With two 230 V multi-way input terminals (Up/Down) for group control.
With operating mode switch for the following modes: normal, louvre, base station, position.
With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx.
Wind alarm, cleaning functions can be accommodated via extension input.
For control cover 6430-xx-xxx.
For IR-Control Cover 6066-xx-xxx.
For Comfort timer control cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

	6411 U-500-101	6410-0-0378	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Busch Blind Control Switch Insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off.
With two 230 V multi-way input terminals (Up/Down) for group control.
Ability to connect for brightness sensor 6414 and burglar alarm sensor 6413.
With operating mode switch for the following modes: normal, louvre, base station, position, awning.
With party function (disables the local control unit) in combination with Busch Blind Control® II control cover 6430-xx-xxx, 6066-xx-xxx.
Wind alarm, cleaning functions can be accommodated via extension input.
For control cover 6430-xx-xxx.
For IR-Control Cover 6066-xx-xxx.
For Comfort timer control cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack Qty

Basic blinds insert [1] [2]
Mounting Type: Flush-mounted
Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control cover 6457.
For Standard timer control cover 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

	6418 U-500	6410-0-0376	1/10

Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

IR-Control Cover
with marking, illuminated
Mounting Type: Flush-mounted
For Busch Universal Master Dimmer® insert 6593 U.
For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101.
For Busch Universal series insert 6402 U.
for Busch Universal Touch-type Controller 6550 U-101
Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.

alpha bs®

20	platinum	**6066-20-102**	6020-0-1316	10
21	bronze	**6066-21-102**	6020-0-1317	1/10
22G	ivory	**6066-22G-102**	6020-0-1318	1/10
24	studio white	**6066-24-102-500**	6020-0-1371	1
260	palladium	**6066-260-102**	6020-0-1365	1/10
266	titanium	**6066-266-102**	6020-0-1366	1/10

Further technical details
www.busch-jaeger.com

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Busch Remote Control IR

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Master Dimmer® insert 6593 U. For Busch Blind Control® II insert 6411 U-101, 6411 U/S-101. For Busch Universal series insert 6402 U. for Busch Universal Touch-type Controller 6550 U-101 Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	future®		
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
85 manhattan/ graphite	**6066-85**	6020-0-1336	10/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	future® linear		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
83 aluminium silver	**6066-83**	6020-0-1383	1/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
89 stone/light grey	**6066-89**	6020-0-1361	1/10
	carat®		
81 anthracite	**6066-81**	6020-0-1379	1/10
82 savanna/ivory white	**6066-82**	6020-0-1332	10/10
84 davos/studio white	**6066-84**	6020-0-1334	1/10
	pure stainless steel		
866 stainless steel	**6066-866**	6020-0-1389	1/10

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover [1] **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	alpha bs®		
20 platinum	**6067-20-102**	6020-0-1324	10
21 bronze	**6067-21-102**	6020-0-1325	10
22G ivory	**6067-22G-102**	6020-0-1326	10
24 studio white	**6067-24-102-500**	6020-0-1373	1
260 palladium	**6067-260-102**	6020-0-1369	1/10
266 titanium	**6067-266-102**	6020-0-1370	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable

Product	Article-No.	Order-No.	Pack Qty
	IR-Control Cover [1] **with marking, illuminated** Mounting Type: Flush-mounted For Busch Universal Relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR mobile or wall-mounted transmitter 6010-25/6020-xx/6021-xx possible.		
	future®		
82 savanna/ivory white	**6067-82**	6020-0-1333	1
84 davos/studio white	**6067-84**	6020-0-1335	1
85 manhattan/ graphite	**6067-85**	6020-0-1337	1
89 stone/light grey	**6067-89**	6020-0-1362	1
	future® linear		
81 anthracite	**6067-81**	6020-0-1380	1/10
82 savanna/ivory white	**6067-82**	6020-0-1333	1
83 aluminium silver	**6067-83**	6020-0-1384	1/10
84 davos/studio white	**6067-84**	6020-0-1335	1
89 stone/light grey	**6067-89**	6020-0-1362	1
	carat®		
81 anthracite	**6067-81**	6020-0-1380	1/10
82 savanna/ivory white	**6067-82**	6020-0-1333	1
84 davos/studio white	**6067-84**	6020-0-1335	1
	pure stainless steel		
866 stainless steel	**6067-866**	6020-0-1390	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable

	Busch Blind Control II built-in unit [1] [2] **2gang** Mounting Type: Built-in unit For joint switching of 2 blind drives via a 230 V multi-way input terminal. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~ Rated frequency: 50 Hz Outputs: 4 Normally open contact Rated current: 3 A, cos φ 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6420 EB-500	6420-0-0020	1

1) Suitable for multi-phase operation.
2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).

	IR receiver **4gang** Mounting Type: Built-in unit For switching 4 consumers Operation also possible via 2 conventional push buttons (2020 US/2021/6 US). Central disablement of all outputs possible. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 4 Rated power: 1380 W Rated power: 700 VA Temperature range (Device): 0 °C to 35 °C		
	6056 EB-500	6020-0-1232	1

Further technical details
www.busch-jaeger.com

The Busch Remote Control IR manual can be obtained free of charge from our central sales department.

Product	Article-No.	Order-No.	Pack Qty
	IR Receiver, 4-channel **4 x 350 VA** Mounting Type: Built-in unit for luminaires For switching 4 consumers 2 supplementary inputs via 127 V push switch (e.g. 2020 US), central disablement of all outputs possible, supplementary IR remote control is possible via IR flying receiver 6045 E-101 switching capacity: 4 x 690 W or 4 x 350 VA temperature range: 0° C - 35° C Rated voltage: 127 V- Rated frequency: 60 Hz		
	6056 EB-127-500	6020-0-1352	1
	IR Flying Receiver [1] Mounting Type: Built-in unit For controlling the built-in devices: 6420 built-in/6056 built-in. With approx. 0.5 m supply lead. Length of the linear lamp: 30 mm Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.		
	6045 E-101-500	6020-0-1240	1

1) Feed line cannot be extended.

	IR dimmer 0-10 V Mounting Type: Built-in unit For luminaries. For dimming fluorescent lamps with ECG (0-10 V control). Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 500 W Rated current: 100 mA Temperature range (Device): 0 °C to 60 °C		
	6045-500	6020-0-1265	
	IR-Dimmer [1] [2] **with adapter plug** Mounting Type: Surface-mounted For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. for portable luminaires. Socket outlet ready for connection. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 400 W/VA		
24 studio white	**6070-24-500**	6020-0-1158	1

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) Spare fuse: T 1.6 A

	IR Switch **with adapter plug** Mounting Type: Surface-mounted For incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Socket outlet ready for connection. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 2300 W		
24 studio white	**6080-24-500**	6020-0-1166	1

Further technical details
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B7905 (White)	10	26
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CBP120	10	22
CBPM200	5	25
CBX100-A	20	24
CBX122	100	24
CBX222	100	24
CCR101	10	27
CCS234	1	22
CCU120	10	22
CCU145	10	22
CDM211	1	19
CDM411	1	19
CES233	1	26
CES333	1	26
CES433	1	26
CES533	1	26
CES633	1	26
CES833	1	26
CFB122	100	24
CFBM122	100	24
CFC102	10	23
CFC104	10	23
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CFS215	1	19
CFS415	1	19
CLH103	10	27
CLH104	10	27
CLH105	10	27
CRS113	1	20
CRS213	1	20
CRSM113	1	25
CRSM213	1	25
CSO106	5	21
CSO113	10	20
CSO115	10	20
CSO117	10	21
CSO123	10	20
CSO125	10	20
CSO126	10	21
CSO127	10	21
CSO133	10	20
CSO156	5	21
CSO165	10	21
CSO213	5	20
CSO223	5	20
CSO227	10	21
CSO233	5	20
CSO289	1	24
CSOM113	5	25
CSOM115	5	25
CSOM213	2	25
CSW100	10	18
CSW100-A	20	19
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CSW100P	10	18
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CSW101-A	20	19
CSW102	10	18
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CSW103	10	18
CSW114	10	18
CSW134	10	18
CSW134M	10	18
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CSW302	10	18
CSW401	10	18
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CSWM101	5	25
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CSWM154	5	25
CSWM201	5	25
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CSWM301	5	25
CSWM302	5	25
CTL126	10	23
CTL128	10	23
CTL146	10	23
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CTLM126	5	25
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P7913 (Clear)	10	26
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Further technical details
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0200	0225-0-0011	50	78
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0202	0225-0-0037	50	78
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0233 BS-20	1711-0-0001	10	40
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0233 BS-23G	1711-0-0048	10	40
0233 BS-24	0230-0-0309	10	40
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0248	0230-0-0383	10	77
0280 BS-20	1711-0-0040	10	37
0280 BS-21	1711-0-0043	10	37
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0280 BS-23	0230-0-0303	10	37
0280 BS-24	0230-0-0294	10/100	37
0280 BS-260	1711-0-0034	10	37
0280 BS-266	1711-0-0037	10	37
0281 BS-20	1711-0-0041	10	38
0281 BS-21	1711-0-0044	10	38
0281 BS-22	0230-0-0298	10/100	38
0281 BS-23	0230-0-0305	10	38
0281 BS-24	0230-0-0299	10/100	38
0281 BS-260	1711-0-0035	10	38
0281 BS-266	1711-0-0038	10	38
0282 BS-20	1711-0-0042	10	38
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0282 BS-22	0230-0-0340	10	38
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1020/2 USKBS-101	1020-0-0058	10/100	31
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1071 U	1043-0-0124	10	48
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1082 UF	1032-0-0482	1	41
1094 U	1032-0-0483	1/10	41
1095 U	1032-0-0484	1/10	41
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1701-85	1799-0-0898	10	109
1701-89	1799-0-0899	10	109
1702-81	1799-0-0900	10	118
1702-82	1799-0-0901	10	109
1702-83	1799-0-0906	10	118
1702-84	1799-0-0902	10	109
1702-85	1799-0-0903	10	109
1702-89	1799-0-0904	10	109
1705 U	1799-0-0493	10	132
1710	1764-0-0224	10	132
1711	1764-0-0232	10	132
1712	1764-0-0240	10	132
1713	1764-0-0257	10	132
1714	1764-0-0265	10	132
1716-81	1731-0-1921	1	87
1716-82	1731-0-1922	1	87
1716-83	1731-0-1950	1	114
1716-84	1731-0-1923	1	87
1716-85	1731-0-1924	1	105
1716-866	1731-0-1955	1	96
1716-89	1731-0-1928	1	105
1720-81	1731-0-1914	10	85
1720-82	1731-0-1915	10	85
1720-83	1731-0-1949	10	112
1720-84	1731-0-1916	10	85
1720-85	1731-0-1917	10	103
1720-866	1731-0-1954	10	94
1720-89	1731-0-1918	10	103
1721 BS-20	1754-0-3880	10/100	52
1721 BS-21	1754-0-3898	10/100	52
1721 BS-22G	1754-0-4070	10/100	52
1721 BS-23G	1754-0-3906	10/100	52
1721 BS-24G	1754-0-4071	100/100	52
1721 BS-260	1754-0-4188	10/100	52
1721 BS-266	1754-0-4191	10/100	52
1721-181K	1754-0-4240	10	119
1721-182	1754-0-4168	10/100	110
1721-182K	1754-0-4230	10/100	119
1721-183K	1754-0-4301	10/100	119
1721-184	1754-0-4173	10/100	110
1721-184K	1754-0-4235	10/100	119
1721-185	1754-0-4178	10/100	110
1721-189	1754-0-4197	10/100	110
1721-189K	1754-0-4245	10	119
1721-810	1754-0-4250	1	90
1721-821	1754-0-4258	1	90
1721-823 A	1754-0-4262	1	90
1721-825	1754-0-4322	1	90
1721-826 A	1754-0-4269	1	90
1721-860	1754-0-4254	1	90
1721-866K	1754-0-4317	10/100	99
1722 BS-20	1754-0-3922	10	52
1722 BS-21	1754-0-3930	10	52
1722 BS-22G	1754-0-4075	100	52
1722 BS-23G	1754-0-3948	10	52
1722 BS-24G	1754-0-4076	10	52
1722 BS-260	1754-0-4189	10	52
1722 BS-266	1754-0-4192	10	52
1722 BSDB-20	1754-0-4011	10	52
1722 BSDB-21	1754-0-4029	10	52
1722 BSDB-22G	1754-0-3963		52
1722 BSDB-23G	1754-0-4037	10	52
1722 BSDB-24G	1754-0-3971		52
1722 BSDB-260	1754-0-4190	10	52
1722 BSDB-266	1754-0-4193	10	52
1722-181K	1754-0-4241	10	119
1722-182	1754-0-4169	10/100	110
1722-182K	1754-0-4231	10	119
1722-183K	1754-0-4302	10/100	119
1722-184	1754-0-4174	10/100	110
1722-184K	1754-0-4236	10	119
1722-185	1754-0-4179	10/100	110
1722-189	1754-0-4198	10/100	110
1722-189K	1754-0-4246	10	119
1722-810	1754-0-4251	1	90
1722-821	1754-0-4259	1	90
1722-823 A	1754-0-4263	1	90
1722-825	1754-0-4323	1	90
1722-826 A	1754-0-4270	1	90
1722-860	1754-0-4255	1	90
1722-866K	1754-0-4318	10/100	99
1723-181K	1754-0-4242	10	119
1723-182	1754-0-4170	10/100	110
1723-182K	1754-0-4232	10	119
1723-183K	1754-0-4308	10/100	119
1723-184	1754-0-4175	10/100	110
1723-184K	1754-0-4237	10	119

If the order number is to be entered via DP, it has to be entered as concisely as possible, i.e. without dashes or spaces.
N = New, A = Discontinued

Recommended retail price, without VAT.

Article-No.		Order-No.	Pack Qty	cat. page
1723-185		1754-0-4180	10/100	110
1723-189		1754-0-4199	10/100	110
1723-189K		1754-0-4247	10	119
1723-810		1754-0-4252	1	90
1723-821		1754-0-4260	1	90
1723-823	**A**	1754-0-4265	1	91
1723-825		1754-0-4324	1	90
1723-826	**A**	1754-0-4272	1	91
1723-860		1754-0-4256	1	90
1723-866K		1754-0-4319	10	99
1724-181K		1754-0-4243	10	119
1724-182		1754-0-4171	1	110
1724-182K		1754-0-4233	10	119
1724-183K		1754-0-4309	10	119
1724-184		1754-0-4176	1	110
1724-184K		1754-0-4238	10	119
1724-185		1754-0-4181	1	110
1724-189		1754-0-4200	1	110
1724-189K		1754-0-4248	10	119
1724-810		1754-0-4253	1	90
1724-821		1754-0-4261	1	90
1724-823	**A**	1754-0-4267	1	91
1724-825		1754-0-4325	1	90
1724-826	**A**	1754-0-4274	1	91
1724-860		1754-0-4257	1	90
1724-866K		1754-0-4320	1	99
1725-181K		1754-0-4244	1	119
1725-182		1754-0-4172	1	110
1725-182K		1754-0-4234	1	119
1725-183K		1754-0-4310	1	119
1725-184		1754-0-4177	1	110
1725-184K		1754-0-4239	1	119
1725-185		1754-0-4182	1	110
1725-189		1754-0-4201	1	110
1725-189K		1754-0-4249	1/1	119
1725-866K		1754-0-4321	1	99
1732-823	**A**	1754-0-4264	1	91
1732-826	**A**	1754-0-4271	1	91
1733-823	**A**	1754-0-4266	1	91
1733-826	**A**	1754-0-4273	1	91
1734-823	**A**	1754-0-4268	1	91
1734-826	**A**	1754-0-4275	1	91
1740 DR-20		1753-0-1092	10	34
1740 DR-21		1753-0-1175	10	34
1740 DR-22G		1710-0-2330	10	34
1740 DR-23G		1710-0-3257		34
1740 DR-24		1753-0-1555	10	34
1740 DR-260		1710-0-3302	10	34
1740 DR-266		1710-0-3328	10	34
1740-81		1710-0-3623	10	86
1740-82		1710-0-3154	10	86
1740-83		1710-0-3661	10	113
1740-84		1710-0-3172	10/100	86
1740-85		1710-0-3190	10	104
1740-866		1710-0-3748	10	95
1740-89		1710-0-3445	10	104
1742-20		1753-0-1118	10	37
1742-21		1753-0-1431	10	37
1742-22G		1710-0-2389	10	37
1742-23G		1710-0-3249	10	37
1742-24		1753-0-1571	10	37
1742-260		1710-0-3309	10/100	37
1742-266		1710-0-3335	10/100	37
1742-81		1710-0-3612	10	87
1742-82		1710-0-3143	10	87
1742-83		1710-0-3664	10	114
1742-84		1710-0-3161	10/100	87
1742-85		1710-0-3179	10	105
1742-866		1710-0-3751	10	96
1742-89		1710-0-3434	10	105
1743-01 BS-20		1724-0-2833	10	39
1743-01 BS-21		1724-0-2836	10	39
1743-01 BS-22-500		1724-0-2732	10	39
1743-01 BS-23G		1724-0-2851	10	39
1743-01 BS-24-500		1724-0-2733	10	39
1743-01 BS-260		1724-0-2820	10	39
1743-01 BS-266		1724-0-2823	10	39
1743-02 BS-20-500		1724-0-2835	10	39
1743-02 BS-21-500		1724-0-2838	10	39
1743-02 BS-22-500		1724-0-2742	10	39
1743-02 BS-24-500		1724-0-2743	10	39
1743-02 BS-260-500		1724-0-2821	10	39
1743-02 BS-266-500		1724-0-2824	10	39
1743-81		1724-0-4252	10	87
1743-82		1724-0-2758	10	87
1743-83		1724-0-4262	10	115
1743-84		1724-0-2774	10/100	87

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1743-85	1724-0-2763	10	106
1743-866	1724-0-4271	10/100	97
1743-89	1724-0-2830	10	106
1745-81	1710-0-3624	10	87
1745-82	1710-0-3155	10	87
1745-83	1710-0-3675	10	115
1745-84	1710-0-3173	10	87
1745-85	1710-0-3191	10	106
1745-866	1710-0-3766	10	96
1745-89	1710-0-3446	10	106
1746/10-81	1710-0-3628	10	88
1746/10-82	1710-0-3521	10	88
1746/10-83	1710-0-3677	10	115
1746/10-84	1710-0-3522	10	88
1746/10-85	1710-0-3523	10	106
1746/10-866	1710-0-3768	10	97
1746/10-89	1710-0-3527	10	106
1746/50-20	1710-0-3034	10	35
1746/50-21	1710-0-3035	10	35
1746/50-22	1710-0-3036	10	35
1746/50-23	1710-0-3253	10	35
1746/50-24	1710-0-3037	10	35
1746/50-260	1710-0-3495	10	35
1746/50-266	1710-0-3496	10	35
1746-81	1710-0-3618	10	88
1746-82	1710-0-3149	10	88
1746-83	1710-0-3678	10	115
1746-84	1710-0-3167	10	88
1746-85	1710-0-3185	10	106
1746-866	1710-0-3769	10	97
1746-89	1710-0-3440	10	106
1748-81	1710-0-3654	10	88
1748-82	1710-0-3655	10	88
1748-83	1710-0-3673	10	115
1748-84	1710-0-3656	10	88
1748-85	1710-0-3657	10	106
1748-866	1710-0-3760	10	97
1748-89	1710-0-3658	10	106
1749-20	1710-0-0904	10	37
1749-21	1710-0-0946	10	37
1749-22G	1710-0-2561	10	37
1749-24	1710-0-0979	10	37
1749-260	1710-0-3316	10	37
1749-266	1710-0-3342	10	37
1749-81	1710-0-3614	10	87
1749-82	1710-0-3145	10	87
1749-83	1710-0-3665	10	116
1749-84	1710-0-3163	10/100	87
1749-85	1710-0-3181	10	105
1749-866	1710-0-3752	10	96
1749-89	1710-0-3436	10	105
1750-81	1710-0-3617	10	88
1750-82	1710-0-3148	10	88
1750-83	1710-0-3679	10	115
1750-84	1710-0-3166	10	88
1750-85	1710-0-3184	10	106
1750-866	1710-0-3770	10	97
1750-89	1710-0-3439	10	106
1751-81	1723-0-0253	10	87
1751-82	1723-0-0239	10	87
1751-83	1723-0-0254	10	115
1751-84	1723-0-0240	10/100	87
1751-85	1723-0-0241	10	106
1751-866	1723-0-0255	10	96
1751-89	1723-0-0249	10	106
1755 PZ-20-101	1710-0-1498	10	34
1755 PZ-21-101	1710-0-1506	10	34
1755 PZ-22G-101	1710-0-2348	10	34
1755 PZ-24-101	1710-0-1514	10	34
1755 PZ-260-101	1710-0-3303	10	34
1755 PZ-266-101	1710-0-3329	10	34
1755 SL/PZ-81-101	1710-0-3626	10	86
1755 SL/PZ-82-101	1710-0-3157	10	86
1755 SL/PZ-83-101	1710-0-3662	10	113
1755 SL/PZ-84-101	1710-0-3175	10	86
1755 SL/PZ-85-101	1710-0-3193	10	104
1755 SL/PZ-866-101	1710-0-3749	10	96
1755 SL/PZ-89-101	1710-0-3448	10	104
1755 SLPZ-20-101	1710-0-1563	10	35
1755 SLPZ-21-101	1710-0-1571	10	35
1755 SLPZ-22G-101	1710-0-2355	10	35
1755 SLPZ-24-101	1710-0-1589	10	35
1755 SLPZ-260-101	1710-0-3304	10	35
1755 SLPZ-266-101	1710-0-3330	10	35
1756-20	1753-0-1506	10	36
1756-21	1753-0-1522	10	36
1756-22G	1710-0-2413	10	36

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N = New, A = Discontinued

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1756-24	1753-0-1548	10	36
1756-260	1710-0-3306	10	36
1756-266	1710-0-3332	10	36
1758 WN-53	1724-0-2751	10	134
1758-81	1724-0-4253	10	88
1758-82	1724-0-2759	10	88
1758-83	1724-0-4263	10	116
1758-84	1724-0-2761	10/100	88
1758-85	1724-0-2764	10	107
1758-866	1724-0-4272	10	97
1758-89	1724-0-2831	10	107
1764 NLI-81	1731-0-1552	10	84
1764 NLI-82	1731-0-1876	10	84
1764 NLI-83	1731-0-1948	10	111
1764 NLI-84	1731-0-1877	10/100	84
1764 NLI-85	1731-0-1878	10	102
1764 NLI-866	1731-0-1953	10	94
1764 NLI-89	1731-0-1886	10	102
1766-81	1710-0-3613	10	87
1766-82	1710-0-3144	10/100	87
1766-83	1710-0-3659	10/100	114
1766-84	1710-0-3162	10/100	87
1766-85	1710-0-3180	10/100	106
1766-866	1710-0-3765	10/100	96
1766-89	1710-0-3435	10/100	106
1770-20-101	1753-0-6075	10	48
1770-21-101	1753-0-6083	10	48
1770-22G-101	1710-0-2397	10	48
1770-23G-101	1710-0-3265		48
1770-24-101	1753-0-6091	10	48
1771-20-101	1753-0-6224	10	48
1771-21-101	1753-0-6232	10	48
1771-22G-101	1710-0-2405	10	48
1771-23G-101	1710-0-3267		48
1771-24-101	1753-0-6240	10	48
1772-20-101	1710-0-3479	10	48
1772-21-101	1710-0-3480	10	48
1772-22G-101	1710-0-3473		48
1772-24-101	1710-0-3481	10	48
1772-260-101	1710-0-3477	10	48
1772-266-101	1710-0-3478	10	48
1773 JA-20	1724-0-2331	10	49
1773 JA-21	1724-0-2349	10	49
1773 JA-22G	1724-0-2539	10	49
1773 JA-24	1724-0-2356	10	49
1773 JA-260	1724-0-2789	10	49
1773 JA-266	1724-0-2794	10	49
1773 JA-81	1724-0-4251	10	86
1773 JA-82	1724-0-2757	10	86
1773 JA-83	1724-0-4260	10	114
1773 JA-84	1724-0-2760	10	86
1773 JA-85	1724-0-2762	10	105
1773 JA-866	1724-0-4269	10	96
1773 JA-89	1724-0-2829	10	105
1773/10-20	1724-0-2596	10	49
1773/10-21	1724-0-2604	10	49
1773/10-22G	1724-0-2695	10	49
1773/10-24	1724-0-2612	10	49
1773/10-260	1724-0-2809	10	49
1773/10-266	1724-0-2810	10	49
1773/10-81	1753-0-9911	10	86
1773/10-82	1753-0-9912	10	86
1773/10-83	1753-0-0031	10	113
1773/10-84	1753-0-9914	10	86
1773/10-85	1753-0-9915	10	104
1773/10-866	1753-0-0104	10	95
1773/10-89	1753-0-9916	10	104
1773-20	1724-0-2158	10	49
1773-21	1724-0-2166	10	49
1773-22G	1724-0-2521	10	49
1773-24	1724-0-2174	10	49
1773-260	1724-0-2790	10	49
1773-266	1724-0-2795	10	49
1773-81	1753-0-9906	10	86
1773-82	1753-0-9907	10	86
1773-83	1753-0-0030	10	113
1773-84	1753-0-9908	10	86
1773-85	1753-0-9909	10	104
1773-866	1753-0-0103	10	95
1773-89	1753-0-9910	10	104
1775 S/W-20-101	1710-0-3127	10	183
1775 S/W-21-101	1710-0-3128	10	183
1775 S/W-22G-101	1710-0-3129	10	183
1775 S/W-24-101	1710-0-3130	10	183
1775 S/W-260-101	1710-0-3308	10	183
1775 S/W-266-101	1710-0-3334	10	183
1775 S/W-81-101	1710-0-3625	10	86
1775 S/W-82-101	1710-0-3156	10	86
1775 S/W-83-101	1710-0-3663	10	114
1775 S/W-84-101	1710-0-3174	10	86
1775 S/W-85-101	1710-0-3192	10	105
1775 S/W-866-101	1710-0-3750	10	96
1775 S/W-89-101	1710-0-3447	10	105
1780-20	1710-0-2090	10	41
1780-21	1710-0-2108	10	41
1780-22G	1710-0-2686	10	41
1780-24	1710-0-2116	10	41
1780-260	1710-0-3325	10	41
1780-266	1710-0-3351	10	41
1780-81	1710-0-3620	10	89
1780-82	1710-0-3151	10	89
1780-83	1710-0-3667	10	117
1780-84	1710-0-3169	10	89
1780-85	1710-0-3187	10	108
1780-866	1710-0-3754	10	98
1780-89	1710-0-3442	10	108
1781-20	1751-0-1666	10	33
1781-21	1751-0-1757	10	33
1781-22G	1751-0-2540	10	33
1781-24	1751-0-1898	10	33
1781-260	1751-0-2822	10	33
1781-266	1751-0-2833	10	33
1782-20	1710-0-3086	10	41
1782-21	1710-0-3087	10	41
1782-22G	1710-0-3088	10	41
1782-24	1710-0-3090	10	41
1782-260	1710-0-3324	10	41
1782-266	1710-0-3350	10	41
1782-81	1710-0-3619	10	89
1782-82	1710-0-3150	10	89
1782-83	1710-0-3666	10	117
1782-84	1710-0-3168	10	89
1782-85	1710-0-3186	10	108
1782-866	1710-0-3753	10	98
1782-89	1710-0-3441	10	108
1783-20	1751-0-2865	10	34
1783-21	1751-0-2866	10	34
1783-22G	1751-0-2867	10	34
1783-24G	1751-0-2433	10	34
1783-260	1751-0-2877	10	34
1783-266	1751-0-2878	10	34
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1785 JA-21	1751-0-1831	10	34
1785 JA-22G	1751-0-2581	10	34
1785 JA-23G	1751-0-2793	10	34
1785 JA-24	1751-0-1922	10	34
1785 JA-260	1751-0-2831	10/100	34
1785 JA-266	1751-0-2842	10/100	34
1785 JA-81	1751-0-2934	10	85
1785 JA-82	1751-0-2748	10	85
1785 JA-83	1751-0-2944	10/100	113
1785 JA-84	1751-0-2756	10/100	85
1785 JA-85	1751-0-2764	10/100	104
1785 JA-866	1751-0-2964	10	95
1785 JA-89	1751-0-2888	10	104
1785-20	1751-0-1682	10	33
1785-20-101	1751-0-2889	10	33
1785-21	1751-0-1773	10/100	33
1785-21-101	1751-0-2706	10	33
1785-22G	1751-0-2565	10	33
1785-22G-101	1751-0-2890	10	33
1785-23G	1751-0-2789	10/100	33
1785-23G-101	1751-0-2910	10	33
1785-24	1751-0-1914	10	33
1785-24-101	1751-0-2891	10	33
1785-260	1751-0-2827	10/100	33
1785-260-101	1751-0-2893	10	33
1785-266	1751-0-2838	10/100	33
1785-266-101	1751-0-2894	10	33
1785-81	1751-0-2930	10	84
1785-82	1751-0-2744	10/100	84
1785-83	1751-0-2942	10/100	111
1785-84	1751-0-2752	10/100	84
1785-85	1751-0-2760	10/100	102
1785-866	1751-0-2962	10	94
1785-89	1751-0-2884	10	102
1786 IO-20	1751-0-2899	10	34
1786 IO-21	1751-0-2900	10	34
1786 IO-22G	1751-0-2722	10	34
1786 IO-23G	1751-0-2799		34
1786 IO-24	1751-0-2723	10	34
1786 IO-260	1751-0-2901	10	34
1786 IO-266	1751-0-2902	10	34
1786-20	1751-0-1617	10/100	33

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1786-22G	1751-0-2482	10/100	33
1786-23G	1751-0-2791	10/100	33
1786-24	1751-0-1849	10/100	33
1786-260	1751-0-2821	10/100	33
1786-266	1751-0-2832	10/100	33
1786-81	1751-0-2926	10/100	84
1786-82	1751-0-2741	10/100	84
1786-83	1751-0-2943	10/100	111
1786-84	1751-0-2749	10/100	84
1786-85	1751-0-2757	10/100	102
1786-866	1751-0-2956	10/100	94
1786-89	1751-0-2880	10/100	102
1787-20	1751-0-2045	10	33
1787-21	1751-0-2052	10	33
1787-22G	1751-0-2508	10	33
1787-23G	1751-0-2801	10/100	33
1787-24	1751-0-2060	10	33
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1788 WH-20	1751-0-2715	10	34
1788 WH-21	1751-0-2716	10	34
1788 WH-22G	1751-0-2717	10	34
1788 WH-23G	1751-0-2795		34
1788 WH-24	1751-0-2718	10	34
1788 WH-260	1751-0-2896	10	34
1788 WH-266	1751-0-2897	10	34
1788-20	1751-0-1674	10	34
1788-21	1751-0-1765	10	34
1788-22G	1751-0-2557	10	34
1788-23G	1751-0-2803	10/100	34
1788-24	1751-0-1906	10	34
1788-260	1751-0-2823	10	34
1788-266	1751-0-2834	10	34
1788-81	1751-0-2927	10	84
1788-82	1751-0-2742	10	84
1788-83	1751-0-2954	10	111
1788-84	1751-0-2750	10/100	84
1788-85	1751-0-2758	10/100	102
1788-866	1751-0-2961	10	94
1788-89	1751-0-2881	10	102
1789 H-81	1751-0-2929	10	84
1789 H-82	1751-0-2743	10	84
1789 H-83	1751-0-2955	10	111
1789 H-84	1751-0-2751	10	84
1789 H-85	1751-0-2759	10	102
1789 H-866	1751-0-2963	10	94
1789 H-89	1751-0-2883	10	102
1789 KI-20	1751-0-1641	10	34
1789 KI-21	1751-0-1732	10	34
1789 KI-22G	1751-0-2524	10	34
1789 KI-23G	1751-0-2807	10	34
1789 KI-24	1751-0-1872	10	34
1789 KI-260	1751-0-2829	10	34
1789 KI-266	1751-0-2840	10	34
1789 KI-81	1751-0-2932	10	84
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1789 KI-85	1751-0-2762	10	102
1789 KI-866	1751-0-2959	10	94
1789 KI-89	1751-0-2886	10	102
1789 LI-20	1751-0-1633	10	34
1789 LI-21	1751-0-1724	10	34
1789 LI-22G	1751-0-2516	10	34
1789 LI-23G	1751-0-2809		34
1789 LI-24	1751-0-1864	10	34
1789 LI-260	1751-0-2828	10/100	34
1789 LI-266	1751-0-2839	10/100	34
1789 LI-81	1751-0-2931	10	84
1789 LI-82	1751-0-2745	10	84
1789 LI-83	1751-0-2951	10	111
1789 LI-84	1751-0-2753	10/100	84
1789 LI-85	1751-0-2761	10	102
1789 LI-866	1751-0-2958	10	94
1789 LI-89	1751-0-2885	10	102
1789 TR-20	1751-0-1658	10	34
1789 TR-21	1751-0-1740	10	34
1789 TR-22G	1751-0-2532	10	34
1789 TR-23G	1751-0-2811		34
1789 TR-24	1751-0-1880	10	34
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1789 TR-266	1751-0-2841	10	34
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1789 TR-84	1751-0-2755	10	84
1789 TR-85	1751-0-2763	10	102
1789 TR-866	1751-0-2960	10	94
1789 TR-89	1751-0-2887	10	102
1789-81	1751-0-2928	10	84
1789-82	1751-0-2813	10	84
1789-83	1751-0-2945	10/100	111
1789-84	1751-0-2814	10/100	84
1789-85	1751-0-2815	10/100	102
1789-866	1751-0-2957	10/100	94
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1792-23G-101	1710-0-3301	10	35
1792-24-101	1710-0-3296	10	35
1792-260-101	1710-0-3305	10	35
1792-266-101	1710-0-3331	10	35
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1792-82	1710-0-3640	10	84
1792-83	1710-0-3670	10	112
1792-84	1710-0-3641	10	84
1792-85	1710-0-3642	10	103
1792-866	1710-0-3757	10	94
1792-89	1710-0-3643	10	103
1794-20	1710-0-3532	10	42
1794-21	1710-0-3533	10	42
1794-22G	1710-0-3534	10	42
1794-24	1710-0-3535	10	42
1794-260	1710-0-3541	10	42
1794-266	1710-0-3542	10	42
1794-81	1710-0-3629	10	89
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1794-83	1710-0-3668	10	117
1794-84	1710-0-3544	10	89
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1794-866	1710-0-3755	10	98
1794-89	1710-0-3549	10	108
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1795-21	1710-0-3558	10	42
1795-22G	1710-0-3559	10	42
1795-24	1710-0-3560	10	42
1795-260	1710-0-3566	10	42
1795-266	1710-0-3567	10	42
1795-81	1710-0-3630	10	90
1795-82	1710-0-3568	10	90
1795-83	1710-0-3669	10	117
1795-84	1710-0-3569	10	90
1795-85	1710-0-3570	10	109
1795-866	1710-0-3756	10	98
1795-89	1710-0-3574	10	109
1799	1799-0-0196	1	80
1799 01	1799-0-0618	1	80
1799 02	1799-0-0626	1	80
1799 03	1799-0-0634	1/10	80
1799 04	1799-0-0642	1	80
1799 05	1799-0-0659	1	80
1799 06	1799-0-0667	1	80
1799 07	1799-0-0675	1	80
1799 08	1799-0-0683	1	80
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1799 10	1799-0-0808	1	80
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1799 13	1799-0-0881	1	80
1799 17	1799-0-0886	1	80
1799 18	1799-0-0887	1	80
1799 19	1799-0-0888	1	80
1799 21	1799-0-0907	1	80
1800-81	1710-0-3627	10	88
1800-82	1710-0-3158	10	88
1800-83	1710-0-3676	10	115
1800-84	1710-0-3176	10	88
1800-85	1710-0-3194	10	106
1800-866	1710-0-3767	10	97
1800-89	1710-0-3449	10	106
1801 EB-10	1764-0-0323	200	127
1801 EB-16	1764-0-0331	1	127
1803-02-20	1753-0-8485	10	39
1803-02-21	1753-0-8493	10	39
1803-02-22G	1710-0-2611	10	39
1803-02-23G	1710-0-3283		39
1803-02-24	1753-0-8501	10	39
1803-02-260	1710-0-3321	10/100	39
1803-02-266	1710-0-3347	10/100	39
1803-02-81	1710-0-3615	10	87
1803-02-82	1710-0-3146	10	87
1803-02-83	1710-0-3610	10/100	114
1803-02-84	1710-0-3164	10/100	87

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1803-02-866		1710-0-3764	10/100	96
1803-02-89		1710-0-3437	10	105
1803-20		1753-0-8410	10	38
1803-21		1753-0-8428	10	38
1803-22G		1710-0-2603	10	38
1803-233		1710-0-3374	10	125
1803-23G		1710-0-3281		38
1803-24		1753-0-8436	10	38
1803-24G		1710-0-2025	10	125
1803-255		1710-0-3400	10	125
1803-260		1710-0-3322	10	38
1803-266		1710-0-3348	10	38
1803-81		1710-0-3616	10	87
1803-82		1710-0-3147	10	87
1803-83		1710-0-3674	10	114
1803-84		1710-0-3165	10/100	87
1803-85		1710-0-3183	10	105
1803-866		1710-0-3763	10/100	96
1803-89		1710-0-3438	10	105
1810		1753-0-8048	10/100	77
1812		1753-0-8055	10/100	77
1814		1753-0-8063	10/100	77
1816		1710-0-3100	10/100	78
1850 EB		1764-0-0018	10	133
1851 EB		1764-0-0026	10/100	133
1852 EB		1764-0-0034	10/100	133
1853 EB		1764-0-0042	10	133
1854 EB		1764-0-0059	10	133
1855 EB		1764-0-0067	10/100	133
1856 EB		1764-0-0075	10	133
1857 EB		1764-0-0083	10	133
1858 EB		1764-0-0091	10/100	133
1859 EB		1764-0-0109	10	133
1860 EB		1764-0-0117	10	133
1861 EB		1764-0-0125	10	133
1862 EB		1764-0-0133	10	133
1863 EB		1764-0-0141	10	133
1864 EB		1764-0-0158	10	133
1865 EB		1764-0-0166	10	133
1866 EB		1764-0-0174	10/100	133
1867 EB		1764-0-0182	10/100	133
1868 EB	**A**	1764-0-0190	10/100	134
1869 EB		1764-0-0208	10/100	134
1870 EB		1764-0-0216	10/100	134
1871 EB		1764-0-0273	10/100	134
1872 EB		1764-0-0281	10/100	134
1874 EB		1764-0-0307	10/100	134
1875 EB		1764-0-0315	10	134
1876 EB		1764-0-0332	10	134
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1910 U/2 GL-21		1001-0-0011	10	37
1910 U/2 GL-22		1001-0-0012	10/100	37
1910 U/2 GL-23G		1001-0-0013	10	37
1910 U/2 GL-24		1001-0-0014	10/100	37
1910 U/2 GL-260		1001-0-0022	10	37
1910 U/2 GL-266		1001-0-0024	10	37
1910 U/2-20		1001-0-0001	10	37
1910 U/2-21		1001-0-0002	10	37
1910 U/2-22		1001-0-0003	10/100	37
1910 U/2-23G		1001-0-0004	10	37
1910 U/2-24		1001-0-0005	10/100	37
1910 U/2-260		1001-0-0021	10	37
1910 U/2-266		1001-0-0023	10	37
20 EUC-13-82		2011-0-3722	10	107
20 EUC-14-82		2011-0-3723	10	107
20 EUC-81		2011-0-3801	10/100	88
20 EUC-82		2011-0-3721	10/100	88
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20 EUC-84		2011-0-3725	10/100	88
20 EUC-85		2011-0-3729	10/100	107
20 EUC-866		2011-0-3850	10/100	97
20 EUC-89		2011-0-3770	10/100	107
20 EUCKS/DV-81		2013-0-5266	10	89
20 EUCKS/DV-82		2013-0-5267	10	89
20 EUCKS/DV-83		2013-0-5273	10/100	117
20 EUCKS/DV-84		2013-0-5268	10	89
20 EUCKS/DV-85		2013-0-5269	10	108
20 EUCKS/DV-866		2013-0-5277	10	98
20 EUCKS/DV-89		2013-0-5270	10	108
20 EUCKS-81		2013-0-5265	10	88
20 EUCKS-82		2013-0-5244	10/100	88
20 EUCKS-83		2013-0-5272	10/100	116
20 EUCKS-84		2013-0-5245	10/100	88
20 EUCKS-85		2013-0-5246	10/100	107
20 EUCKS-866		2013-0-5276	10/100	97
20 EUCKS-89		2013-0-5259	10/100	107

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20 EUCQ-13-212	2011-0-2860	10	138
20 EUCQ-14-212	2011-0-2878	10	138
20 EUCQ-212	2011-0-2720	10	138
20 EUCQ-214	2011-0-2829	10	138
20 EUCQ-217	2011-0-2852	10	138
20 EUK-81	2018-0-1486	10	89
20 EUK-82	2018-0-1465	10	89
20 EUK-83	2018-0-1487	10	116
20 EUK-84	2018-0-1467	10/100	89
20 EUK-85	2018-0-1469	10	107
20 EUK-866	2018-0-1490	10/100	97
20 EUK-89	2018-0-1478	10	107
20 EUN-81	2011-0-3802	10	89
20 EUN-82	2011-0-3726	10	89
20 EUN-83	2011-0-3810	10	116
20 EUN-84	2011-0-3727	10	89
20 EUN-85	2011-0-3730	10	107
20 EUN-866	2011-0-3851	10	98
20 EUN-89	2011-0-3773	10	107
20 MUC-82-500	2017-0-0785	10/100	108
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20 MUC-85-500	2017-0-0787	10/100	108
20 MUC-89-500	2017-0-0791	10/100	108
20 MUCKS-82-500	2017-0-0806	10	108
20 MUCKS-84-500	2017-0-0807	10	108
20 MW-53-500	2017-0-0762	10/100	136
20 MW-54-500	2017-0-0849	10	136
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2000/2 UK	1022-0-0656	10	65
2000/2 US	1012-0-2034	10/100	65
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2000/5 USGL	1012-0-1135	10	65
2000/6 UBS	1012-0-1903	10/100	30
2000/6 US-506	1012-0-1143	10/100	65
2000/6 USGL	1012-0-1127	10/100	65
2000/6 USK	1022-0-0474	10/100	65
2000/6/2 US	1012-0-0954	10	65
2000/6/6 US-500	1011-0-0493	10/100	65
2000/7 UBS	1012-0-1911	10/100	30
2000/7 US-506	1012-0-1168	10/100	65
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2002/5 SUBS	1012-0-2078	10/100	30
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2022 SUBS	1413-0-1055	10/100	30
2022/5 SUBS	1413-0-1056	10/100	30
2022/6 SUBS	1413-0-1057	10	30
2025 U	1012-0-1713	10	31
2031 UP	1413-0-0806	10/100	66
2061 U	1511-0-0062	10	36
2062 U	1511-0-0115	1/10	67
2064 AG	2581-0-0098	10/100	135
2064 JW-500	2540-0-0045	10/100	135
2064 KUGI	2595-0-0072	10	135
2064 KUPVC	2595-0-0080	10	135
2064 SGI	2590-0-0149	10	135
2064 SPVC	2590-0-0172	10	135
2064 SR W-500	2510-0-0113	10/50	135
2064 SWLW	2590-0-0164	10/100	135
2064 UG	2560-0-0183	10	135
2087-81	1761-0-1493	10	118
2087-82	1761-0-1494	10	109
2087-83	1761-0-1504	10	118
2087-84	1761-0-1495	10	109
2087-85	1761-0-1496	10	109
2087-89	1761-0-1497	10	109
2088-81	1761-0-1498	10	118

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2088-83		1761-0-1505	10	118
2088-84		1761-0-1500	10	110
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2088-89		1761-0-1502	10	110
2095 UC-81		2495-0-0084	10	88
2095 UC-82		2495-0-0085	10	88
2095 UC-83		2495-0-0089	10	115
2095 UC-84		2495-0-0086	10	88
2095 UC-85		2495-0-0087	10	107
2095 UC-866		2495-0-0090	10	97
2095 UC-89		2495-0-0088	10	107
2112 U-101-500		6599-0-2873	1/10	44
2112-101		6599-0-2266	1	156
2118 GK-32		1710-0-2272	10	129
2118 GK-34		1710-0-1860	10/100	129
2118 GK-35		1710-0-1936	10	129
2118 GKN-32		1710-0-2280	10	129
2118 GKN-34		1710-0-1878	10	129
2118 GKN-35		1710-0-1993	10	129
2118 GKSL-32		1710-0-2298	10	129
2118 GKSL-34		1710-0-1951	10	129
2118 GKSL-35		1710-0-1977	10	129
2118 GKSLN-32		1710-0-2306	10	130
2118 GKSLN-34		1710-0-1969	10	130
2118 GKSLN-35		1710-0-1985	10	130
2148		2148-0-0120	100	78
2149	**A**	1763-0-0010	100	78
2190 EUCGL/2-20		2190-0-0030	10/100	35
2190 EUCGL/2-21		2190-0-0031	10	35
2190 EUCGL/2-22		2190-0-0032	10/100	35
2190 EUCGL/2-23G		2190-0-0073	10	35
2190 EUCGL/2-24		2190-0-0033	100/100	35
2190 EUCGL/2-260		2190-0-0125	10/100	35
2190 EUCGL/2-266		2190-0-0133	10/100	35
2190-02 EUC/2-20		2190-0-0148	1/10	35
2190-02 EUC/2-21		2190-0-0149	1/10	35
2190-02 EUC/2-22		2190-0-0153	1/10	35
2190-02 EUC/2-23G		2190-0-0152	1/10	35
2190-02 EUC/2-24		2190-0-0154	1/10	35
2190-02 EUC/2-260		2190-0-0150	1/10	35
2190-02 EUC/2-266		2190-0-0151	1/10	35
2190-02EUCGL/2-20		2190-0-0156	1/10	35
2190-02EUCGL/2-21		2190-0-0157	1/10	35
2190-02EUCGL/2-22		2190-0-0161	1/10	35
2190-02EUCGL/2-23G		2190-0-0160	1/10	35
2190-02EUCGL/2-24		2190-0-0162	10/40	35
2190-02EUCGL/2-260		2190-0-0158	1/10	35
2190-02EUCGL/2-266		2190-0-0159	1/10	35
2191 EUCGL/2-20		2191-0-0020	10/100	36
2191 EUCGL/2-21		2191-0-0021	10	36
2191 EUCGL/2-22		2191-0-0022	100/100	36
2191 EUCGL/2-23G		2191-0-0029		36
2191 EUCGL/2-24		2191-0-0023	10	36
2191 EUCGL/2-260		2191-0-0034	10/100	36
2191 EUCGL/2-266		2191-0-0036	10/100	36
2192 UC-20		2192-0-0078	10/100	36
2192 UC-21		2192-0-0086	10/100	36
2192 UC-22		2192-0-0110	10/100	36
2192 UC-24		2192-0-0011	10/100	36
2192 UC-260		2192-0-0184	10/100	36
2192 UC-266		2192-0-0185	10/100	36
2192 UCBS-23G		2192-0-0179	10/100	36
2194-02 EUC-20		2190-0-0164	1/10	36
2194-02 EUC-21		2190-0-0165	1/10	36
2194-02 EUC-22		2190-0-0169	1/10	36
2194-02 EUC-23G		2190-0-0168	1/10	36
2194-02 EUC-24		2190-0-0170	1/10	36
2194-02 EUC-260		2190-0-0166	1/10	36
2194-02 EUC-266		2190-0-0167	1/10	36
2240 W-53		6500-0-0791	1/10	171
2247 U-127		6512-0-0297	1/10	43
2247 U-500		6512-0-0302	1/10	42
2247-500		6512-0-0248	1	156
2250 KB		6531-0-0032	1/10	156
2250 U		6515-0-0704	1/10	42
23 MWKS-53-504		2017-0-0763	10/100	136
2300 EUCGL-13-84		2011-0-3808	10	108
2300 EUCGL-14-84		2011-0-3809	10	108
2300 EUCGL-83		2011-0-3814	10/100	117
2300 EUCGL-84		2011-0-3807	10	108
2300 EUCGL-866		2011-0-3852	10	98
2310EUGL/VA-20-11		2011-0-3819	1	37
2310EUGL/VA-21-11		2011-0-3820	1	37
2310EUGL/VA-22G-11		2011-0-3821	1	37
2310EUGL/VA-24-11		2011-0-3822	1	37
2310EUGL/VA-260-11		2011-0-3828	1	37
2310EUGL/VA-266-11		2011-0-3829	1	37
2310EUGL/VA-81-11		2011-0-3830	1	89
2310EUGL/VA-82-11		2011-0-3831	1	89
2310EUGL/VA-83-11		2011-0-3832	1	117
2310EUGL/VA-84-11		2011-0-3833	1	89
2310EUGL/VA-85-11		2011-0-3834	1	107
2310EUGL/VA-866-11		2011-0-3853	1	98
2310EUGL/VA-89-11		2011-0-3838	1	107
2332 UJBS-20		2130-0-0277	1/5	36
2332 UJBS-21		2130-0-0278	5/5	36
2332 UJBS-22G		2130-0-0279	1/5	36
2332 UJBS-23G		2130-0-0280	5	36
2332 UJBS-24G		2130-0-0281	1/5	36
2332 UJBS-255		2130-0-0289	10/100	36
2332 UJBS-260		2130-0-0287	5	36
2332 UJBS-266		2130-0-0288	1/5	36
2334 AG		2381-0-0010	10	136
2334 JW		2340-0-0024	10/100	136
2334 KUW		2391-0-0027	10	136
2364 KUW		2595-0-0023	10	135
2364 SW		2590-0-0024	100	135
2365 JW		2550-0-0028	1/10	135
2365 SRW		2520-0-0047	1/10	135
2365 SWLW		2591-0-0063	100	135
2399 C-13		2099-0-0205	10	108
2399 C-14		2099-0-0206	10	108
2399 C-83		2099-0-0237	10	117
2399 C-84		2099-0-0204	10	108
2399 C-866		2099-0-0242		98
2399 UCKS-81		2099-0-0216	10	89
2399 UCKS-82		2099-0-0211	10	89
2399 UCKS-84		2099-0-0214	10	89
2399 UCKS-866		2099-0-0243	10	98
2533-81		1724-0-4254	10	88
2533-82		1724-0-4255	10	88
2533-83		1724-0-4261	10	116
2533-84		1724-0-4256	10	88
2533-85		1724-0-4257	10	107
2533-866		1724-0-4270	10	97
2533-89		1724-0-4258	10	107
2542 DR/01-81		1710-0-3644	10	86
2542 DR/01-82		1710-0-3645	10	86
2542 DR/01-83		1710-0-3671	10	113
2542 DR/01-84		1710-0-3646	10	86
2542 DR/01-85		1710-0-3647	10	104
2542 DR/01-866		1710-0-3758	10	95
2542 DR/01-89		1710-0-3648	10	104
2542 DR/02-81		1710-0-3649	10	86
2542 DR/02-82		1710-0-3650	10	86
2542 DR/02-83		1710-0-3672	10	113
2542 DR/02-84		1710-0-3651	10	86
2542 DR/02-85		1710-0-3652	10	104
2542 DR/02-866		1710-0-3759	10	95
2542 DR/02-89		1710-0-3653	10	104
2661 U		1511-0-0096	10	36
2710 U		1101-0-0918	1/10	67
2710/1 U		1101-0-0919	1/10	67
2712 U		1101-0-0534	10	31
2712 USL-101		1101-0-0872	10	67
2713 U		1101-0-0542	10	31
2713 USL-101		1101-0-0880	10	67
2722 U		1101-0-0559	10	67
2722 USL-101		1101-0-0898	10	67
2723 U		1101-0-0567	10	67
2723 USL-101		1101-0-0906	10	67
2733 USL-101		1101-0-0914	10	31
3064		2561-0-0017	10	135
3070-2/35 BSDB		1741-0-0066	5	33
3072		1745-0-0017	10	136
3095-1		1747-0-0062	100/100	135
3099-0-0306		3099-0-0306		158
3099-0-0314		3099-0-0314	1/20	158
34 W-101		2390-0-0060	20	136
34 WJ		2390-0-0045	10/100	136
3741 UJ		1712-0-0165	80	137
3746 U-101		1712-0-0182	5/60	137
6010-25-500		6020-0-1133	1	50
6020-20		6020-0-0036	10/10	50
6020-21		6020-0-0044	10/10	50
6020-24-500		6020-0-1281	1	50
6020-24G-500		6020-0-1299	1	50
6021-20		6020-0-0754	1	50
6021-21		6020-0-0762	1	50
6021-24-500		6020-0-1315	1	50
6021-24G-500		6020-0-1307	1	50
6045 E-101-500		6020-0-1240	1	181
6045-500		6020-0-1265		197

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6056 EB-127-500	6020-0-1352	1	51
6056 EB-500	6020-0-1232	1	51
6066-20-102	6020-0-1316	10	46
6066-21-102	6020-0-1317	1/10	46
6066-22G-102	6020-0-1318	1/10	46
6066-24-102-500	6020-0-1371	1	46
6066-260-102	6020-0-1365	1/10	46
6066-266-102	6020-0-1366	1/10	46
6066-81	6020-0-1379	1/10	85
6066-82	6020-0-1332	10/10	85
6066-83	6020-0-1383	1/10	112
6066-84	6020-0-1334	1/10	85
6066-85	6020-0-1336	10/10	103
6066-866	6020-0-1389	1/10	95
6066-89	6020-0-1361	1/10	103
6067-20-102	6020-0-1324	10	51
6067-21-102	6020-0-1325	10	51
6067-22G-102	6020-0-1326	10	51
6067-24-102-500	6020-0-1373	1	51
6067-260-102	6020-0-1369	1/10	51
6067-266-102	6020-0-1370	1/10	51
6067-81	6020-0-1380	1/10	85
6067-82	6020-0-1333	1	85
6067-83	6020-0-1384	1/10	112
6067-84	6020-0-1335	1	85
6067-85	6020-0-1337	1	103
6067-866	6020-0-1390	1/10	95
6067-89	6020-0-1362	1	103
6070-24-500	6020-0-1158	1	197
6080-24-500	6020-0-1166	1	197
6090	6099-0-0014	10	193
6164/10-101	6151-0-0199	1/100	79
6164/11-101	6151-0-0201	1/100	79
6164/20	6151-0-0170	5	80
6164/21	6151-0-0171	5	79
6164/22	6151-0-0172	5	79
6164/23	6151-0-0173	5	79
6401 U-102-127-500	6401-0-0050	1/10	47
6401 U-102-500	6401-0-0049	1/50	47
6402 U-500	6401-0-0051	1/10	47
6411 U/S-500	6410-0-0346	1/10	49
6411 U/S-500-101	6410-0-0380	1/10	68
6411 U-127-500	6410-0-0350	1/10	49
6411 U-500	6410-0-0345	1/10	49
6411 U-500-101	6410-0-0378	1/10	68
6413-500	6410-0-0349	10/10	78
6414-500	6410-0-0348	10/10	78
6415	6410-0-0302	10	182
6415/24	6410-0-0363	1/10	182
6418 U-500	6410-0-0376	1/10	68
6420 EB-500	6420-0-0020	1	180
6430-20-101	6430-0-0256		50
6430-20-102	6430-0-0319	1/10	180
6430-21-101	6430-0-0257		50
6430-21-102	6430-0-0320	1/10	180
6430-22G-101	6430-0-0258		50
6430-22G-102	6430-0-0321	1/10	180
6430-24-101	6430-0-0259		50
6430-24-102	6430-0-0322	1/10	180
6430-260-101	6430-0-0279		50
6430-260-102	6430-0-0317	1/10	180
6430-266-101	6430-0-0280		50
6430-266-102	6430-0-0318	1/10	180
6430-81-102	6430-0-0326	1/10	86
6430-82-102	6430-0-0327	1/10	86
6430-83-102	6430-0-0328	1/10	114
6430-84-102	6430-0-0329	1/10	86
6430-85-102	6430-0-0330	1/10	105
6430-866-102	6430-0-0343	1/10	96
6430-89-102	6430-0-0334	1/10	105
6435-20	6430-0-0291	10	181
6435-21	6430-0-0292	10	181
6435-22G	6430-0-0293	10	181
6435-24	6430-0-0294	10/100	181
6435-260	6430-0-0289	10	181
6435-266	6430-0-0290	10	181
6435-81	6430-0-0303	10	86
6435-82	6430-0-0304	10	86
6435-83	6430-0-0305	10	114
6435-84	6430-0-0306	10	86
6435-85	6430-0-0307	10	105
6435-866	6430-0-0344	10	95
6435-89	6430-0-0311	10	105
6445	6410-0-0368		182
6455-500	6410-0-0373	1/10	79
6456	6410-0-0374	1/10	79
6457	6410-0-0382	1/10	79

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6480 U-102		6410-0-0371	1/10	68
6481-102		6410-0-0370	1	78
6482		6410-0-0203	1	78
6498		6410-0-0383	1/10	182
6499		6410-0-0369		182
6513 U-102-500		6513-0-0586	1/10	43
6513-102-500		6513-0-0543	1	156
6517 U-101-500		6517-0-0018	1/10	43
6519 U		6519-0-0011	1	44
6520 U-500		6520-0-0227	1/10	43
6540-20		6599-0-1458	10	44
6540-21		6599-0-1490	10	44
6540-22G		6599-0-2803	10	44
6540-23G		6599-0-2848	10	44
6540-24		6599-0-1540	10	44
6540-260		6599-0-2852	10/100	44
6540-266		6599-0-2855	10	44
6540-81-101		6599-0-2880	10	85
6540-82-101		6599-0-2830	10/100	85
6540-83-101		6599-0-2886	10	112
6540-84-101		6599-0-2833	10/100	85
6540-85-101		6599-0-2836	10/100	103
6540-866-101		6599-0-2925	10/100	94
6540-89-101		6599-0-2864	10/100	103
6541-20		6599-0-1466	10	154
6541-21		6599-0-1524	10	154
6541-22G		6599-0-2795	10	154
6541-24		6599-0-1557	10	154
6541-24G		6599-0-2332	10	154
6541-26		6599-0-2276	10	154
6541-28		6599-0-2357	10	154
6541-81		6599-0-2882	10	85
6541-82		6599-0-2832	10	85
6541-83		6599-0-2885	10	112
6541-84		6599-0-2835	10	85
6541-85		6599-0-2838	10	103
6541-866		6599-0-2924	10	94
6541-89		6599-0-2866	10	103
6543/10-500		6590-0-0181	1/10	157
6543/11-500		6590-0-0183	1/10	157
6543/12-500		6590-0-0185	1/10	157
6543-20-102		6599-0-2820	1/10	46
6543-21-102		6599-0-2821	1/10	46
6543-22G-102		6599-0-2822	1/10	46
6543-24-102		6599-0-2823	1/10	46
6543-260-102		6599-0-2869	1/10	46
6543-266-102		6599-0-2870	1/10	46
6543-81-101		6599-0-2881	1/10	85
6543-82-101		6599-0-2831	1/10	85
6543-83-101		6599-0-2887	1/10	113
6543-84-101		6599-0-2834	1/10	85
6543-85-101		6599-0-2837	1/10	104
6543-866-101		6599-0-2926	1/10	95
6543-89-101		6599-0-2865	1/10	104
6545-20		6599-0-2890	1/10	46
6545-21		6599-0-2891	1/10	46
6545-22G		6599-0-2892	1/10	46
6545-24		6599-0-2893	1/10	46
6545-260		6599-0-2899	1/10	46
6545-266		6599-0-2900	1/10	46
6545-81		6599-0-2906	1/10	85
6545-82		6599-0-2907	1/10	85
6545-83		6599-0-2914	1/10	113
6545-84		6599-0-2908	1/10	85
6545-85		6599-0-2909	1/10	104
6545-866		6599-0-2927	1/10	95
6545-89		6599-0-2913	1/10	104
6550		6550-0-0016	1	157
6550 U-101-500		6550-0-0042	1	45
6560 U-101		6560-0-1205	1/10	45
6560-101		6560-0-1206	1	157
6565 U		6565-0-0056	1/10	69
6565 U-500		6565-0-0057	1/10	46
6575-105		6570-0-0115	1/10	158
6575-70	**A**	6570-0-0114	1/10	158
6583-500		6590-0-0178	1/10	157
6584-500		6590-0-0179	1/10	157
6590 U-127-500		6590-0-0156	1/10	45
6591 U-101-500		6513-0-0588	1/10	44
6592 U-500		6513-0-0590	1	44
6593 U-500		6590-0-0171	1/10	45
6594 U-500		6590-0-0172	1	72
6597-500		6590-0-0155	1/10	157
6598		6590-0-0168	10/10	158
6800-20-104		6800-0-2068	1	48
6800-20-104M		6800-0-2084	1	48

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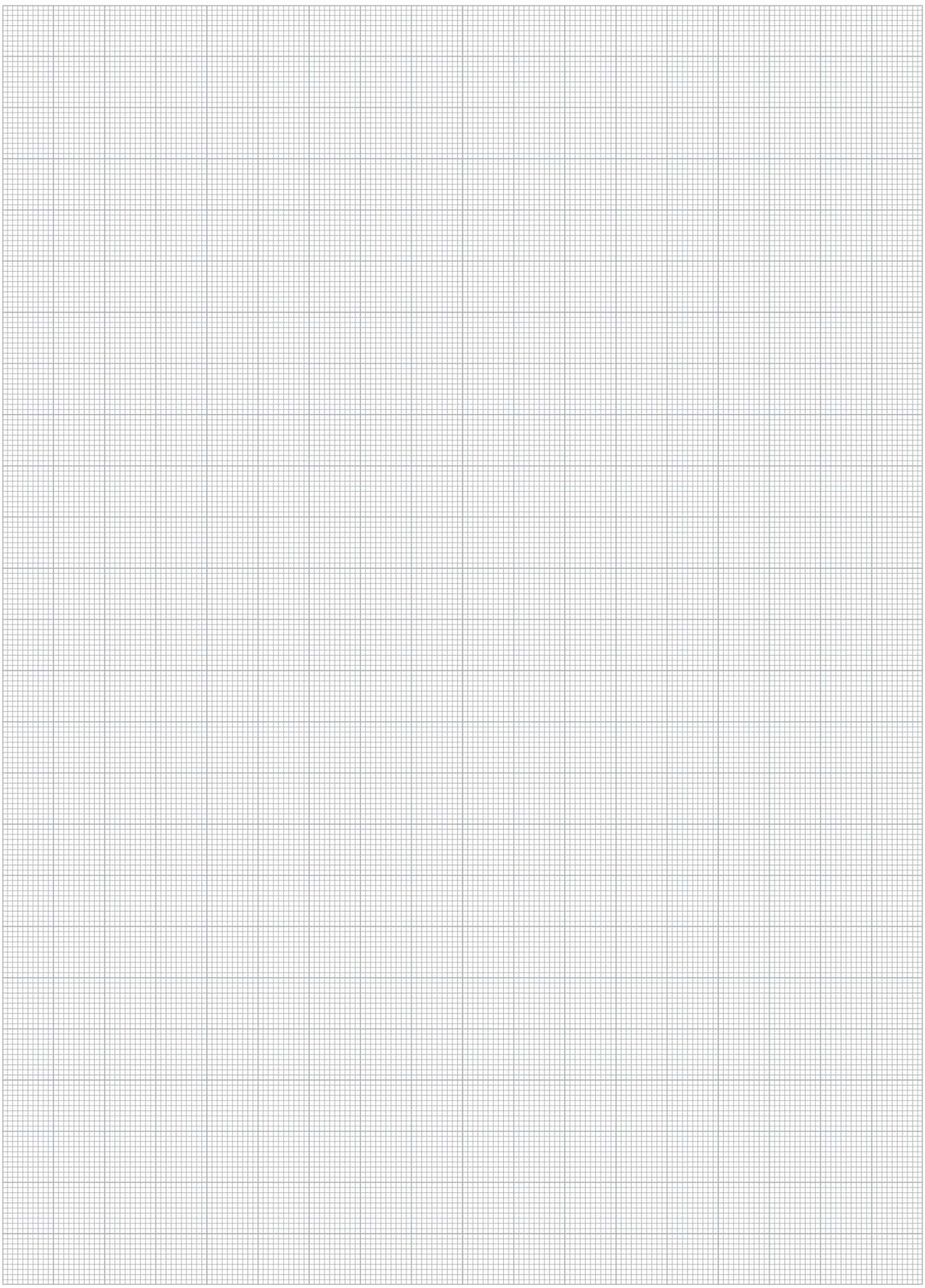
6800-21-104		6800-0-2069	1	48
6800-21-104M		6800-0-2085	1	48
6800-22G-104		6800-0-2070	1	48
6800-22G-104M		6800-0-2086	1	48
6800-24-104		6800-0-2071	1/10	169
6800-24-104-500		6800-0-2168	1	48
6800-24-104M		6800-0-2087	1	170
6800-24-104M-500		6800-0-2169	1	48
6800-260-104		6800-0-2118	1/10	48
6800-260-104M		6800-0-2119	1/10	48
6800-266-104		6800-0-2120	1/10	48
6800-266-104M		6800-0-2121	1/10	48
6800-32-102C		6800-0-1898	1	171
6800-34-102C		6800-0-1674	1	171
6800-35-102C		6800-0-1740	1	171
6800-81-104		6800-0-2268	1	90
6800-81-104M		6800-0-2269	1	90
6800-82-104		6800-0-2099	1/10	90
6800-82-104M		6800-0-2100	1	90
6800-83-104		6800-0-2325	1	118
6800-83-104M		6800-0-2327	1	118
6800-84-104		6800-0-2101	1/10	90
6800-84-104M		6800-0-2102	1/10	90
6800-85-104		6800-0-2103	1/10	109
6800-85-104M		6800-0-2104	1	109
6800-866-104		6800-0-2343	1	99
6800-866-104M		6800-0-2344	1	99
6800-89-104		6800-0-2157	1	109
6800-89-104M		6800-0-2158	1	109
6804 U-101-500		6800-0-2219	1/10	46
6805 U		6800-0-1468	1/10	169
6805 U-500		6800-0-2161	1/10	47
6812 U-101-500		6800-0-2160	1/10	46
6813/11-183-500		6800-0-2352	1	167
6813/11-24-500		6800-0-2350	1	167
6813-101-500		6800-0-2178	1/10	166
6813-183-101-500		6800-0-2324	1	166
6815 U		6800-0-2270	1/10	32
6815-20		6800-0-2273	1/10	32
6815-21		6800-0-2274	1/10	32
6815-22G		6800-0-2275	1/10	32
6815-24		6800-0-2276	1/10	32
6815-260		6800-0-2282	1/10	32
6815-266		6800-0-2283	1/10	32
6815-81		6800-0-2284	1/10	85
6815-82		6800-0-2285	1/10	85
6815-83		6800-0-2342	1/10	112
6815-84		6800-0-2286	1/10	85
6815-85		6800-0-2287	1/10	103
6815-866		6800-0-2345	10/10	95
6815-89		6800-0-2291	1/10	103
6841-500		6899-0-0296		166
6842		6899-0-0299	1	166
6845 AGM-201-500		6800-0-2301	1	165
6845 AGM-204-500		6800-0-2300	1/10	165
6845 AGM-208-500		6800-0-2303	1	165
6845 AGM-35-500		6800-0-2302	1	165
6845 AGS-204		6800-0-2315	1/10	165
6845 AGS-35		6800-0-2316	1	165
6845/11 AGM-35-500		6800-0-2336	1	165
6845/11AGM-201-500		6800-0-2335	1	165
6845/11AGM-204-500		6800-0-2334	1	165
6845/11AGM-208-500		6800-0-2337	1	165
6846 AGM-201-500		6800-0-2308	1	166
6846 AGM-204-500		6800-0-2307	1	166
6846 AGM-35-500		6800-0-2309	1	166
6849 AGM-201		6800-0-2311	1	164
6849 AGM-204-500		6800-0-2314	1	164
6849 AGM-208		6800-0-2313	1	164
6849 AGM-35		6800-0-2312	1	164
6853 AGM-201		6800-0-2318	1	164
6853 AGM-204-500		6800-0-2321	1/10	164
6853 AGM-208		6800-0-2320	1	164
6853 AGM-35-500		6800-0-2322	1	164
6860	**A**	6800-0-1005	10	193
6861	**A**	6800-0-0999	1	193
6862	**A**	6899-0-0280	1	193
6865 AG	**A**	6800-0-0981	1/10	193
6866 AG	**A**	6800-0-1724	1	193
6885-183-500		6899-0-0298	1	167
6885-500		6899-0-0282	1/10	167
6887-201-500		6899-0-0293	1	166
6887-204-500		6899-0-0292	1	166
6887-35-500		6899-0-0294	1	166
6899		6899-0-0231	10	171
8201		8200-0-0008	1	142
8209		8200-0-0009	1/5	142
8211 U		8200-0-0010	1/10	142
8212 U		8200-0-0011	1/10	142
8221 U		8200-0-0012	1/10	142
8222 EB		8200-0-0013	1/5	142
8228		8200-0-0014	1/10	142
8229/1		8200-0-0015	1/10	143
8229/2		8200-0-0016	1/10	143
8229/3		8200-0-0017	1/5	143
8251-81		8200-0-0031	10	142
8251-82		8200-0-0032	10	142
8251-83		8200-0-0039	10	142
8251-84		8200-0-0033	10	142
8251-85		8200-0-0034	10	142
8251-866		8200-0-0040	10	98
8251-89		8200-0-0038	10	142
8260-81		8200-0-0004	1	144
8260-82		8200-0-0001	1	144
8260-84		8200-0-0002	1	144
8260-85		8200-0-0003	1	144
8260-89		8200-0-0007	1	144
A 8000 BLK		1012-0-2116	10	56
A 8001 BLK		1012-0-2117	10	56
A 8002 BLK		1413-0-1073	10	56
A 8004 BLK		1413-0-1074	10	56
A 8020 BLK		1012-0-2118	10	56
A 8021 BLK		1012-0-2119	10	56
A 8022 BLK		1012-0-2120	10	56
A 8023 BLK		1012-0-2121	10	56
A 8024 BLK		1012-0-2122	10	56
A 8025 BLK		1012-0-2123	10/100	56
A 8026 BLK		1012-0-2124	10	56
A 8026 EL BLK		1012-0-2125	10	56
A 8027 BLK		1012-0-2126	10	56
A 8027 EL BLK		1012-0-2127	10	56
A 8030 BLK		1413-0-1075	10	57
A 8032 BLK		1012-0-2128	10	57
A 8033 BLK		1012-0-2129	10	57
A 8060 BLK		1710-0-3632	20	57
A 8061 RED		1511-0-0113	10	57
A 8063 GRN		1511-0-0114	10	57
A 8072 BLK		1001-0-0047	10	57
A 8074 BLK		1001-0-0048	10	57
A 8099 KEY		1710-0-3633		56
A 8100 GRD		1710-0-3634	10/100	58
A 8101 GRD		1710-0-3635	10/100	58
A 8220 PAL		1754-0-4277	1/10	57
A 8220 PLM		1754-0-4276	1/10	57
A 8220 TIN		1754-0-4278	1/10	57
A 8221 PAL		1754-0-4280	1/10	57
A 8221 PLM		1754-0-4279	1/10	57
A 8221 TIN		1754-0-4281	1/10	57
A 8222 PAL		1754-0-4283	10	57
A 8222 PLM		1754-0-4282	10	57
A 8222 TIN		1754-0-4284	10	57
A 8223 PAL		1754-0-4286	10	57
A 8223 PLM		1754-0-4285	10	57
A 8223 TIN		1754-0-4287	10	57
A 8224 PAL		1754-0-4289	1	57
A 8224 PLM		1754-0-4288	1	57
A 8224 TIN		1754-0-4290	1	57
A 8225 PAL		1754-0-4292	1	58
A 8225 PLM		1754-0-4291	1	58
A 8225 TIN		1754-0-4293	1	58
A 8226 PAL		1754-0-4295	1	58
A 8226 PLM		1754-0-4294	1	58
A 8226 TIN		1754-0-4296	1	58
A 8227 PAL		1754-0-4298	1	58
A 8227 PLM		1754-0-4297	1	58
A 8227 TIN		1754-0-4299	1	58
A 8342 BOX		1799-0-0893	10	58
A 8343 BOX		1799-0-0894	1/10	58
A 8367 BOX		1799-0-0892	10	58
A 8368 BOX		1799-0-0891	10	58
APBS		6599-0-2813	10/100	33
MCBS		1012-0-2068	20	33
UAE 8(6)TAE 6 F+N		0230-0-0381	10/100	77

If the order number is to be entered via DP, it has to be entered as concisely as possible, i.e. without dashes or spaces.
N = New, A = Discontinued

Recommended retail price, without VAT.



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