

Unno

A cocktail of colours



Unno

Design within everyone's reach





You'll find it hard to choose! The great variety of colours in the Unno range is the key to creating a great home, full of life and harmony. Design, technology, respecting the environment, versatility and beauty. Unno makes its mark via a wide range of tones and colours that can create a personalised room or home. Designed to meet your decorative and design expectations, Unno is the winning choice.



Versatility, choose your colour!

If you want to have a home that will make you smile, the Unno range is for you. Its simple and modern design adds style and personality to your designs, always with a special colourful touch.



Quality and design within everyone's reach

The Unno range with its colours, straight lines and its simple design brings personality to your home, while offering a unique and contemporary look.



We offer an elegant range, incorporating high technology while respecting the environment. We now know it is possible to align beauty, functionality, quality and sustainability, while placing great design within reach of all.

Unno is design

Its straight lines and simplicity provide an elegant and contemporary look; added to the colours that adapt to all the latest trends. With different side finishes, Unno is the perfect combination, bringing life to covers and switches, and ultimately, to your home.

Unno is technology

ABB's experience over the years can now be seen in the new mechanisms: manufactured using raw materials within the guidelines proposed by international environmental protection organisations such as (RoHS, IEC, INMETRO), the Unno switches are the most ideal for new energy saving light bulbs, incorporating childproofing in the 2P + T connections in all their products.

Unno is versatile

Only ABB has been able to create a range that comes with all the benefits of the highest quality, adapted to market needs in relation to both design as well as ease of installation and safety. Unno is versatility that matches your style.

Unno is versatility that matches your style.

Unno is eco-design



The Unno line has a low environmental impact in each of its design, production, logistics, sales, use and recycling processes.



ABB is a pioneer in offering an eco-project range for both covers and switches.

Always concerned with social and environmental well-being associated with the use of new technologies; ABB contributes to the construction of a better world for future generations.

These are some of Unno's contributions to environmental conservation:

- The Unno bulbs, using LED technology, bring a 80% reduction in energy use with their useful life lasting 10 years.
- The Unno range uses recyclable and reusable materials.
- Optimised raw materials offering energy savings during manufacturing processes.

All its uses

Quality technical design



New mechanism design

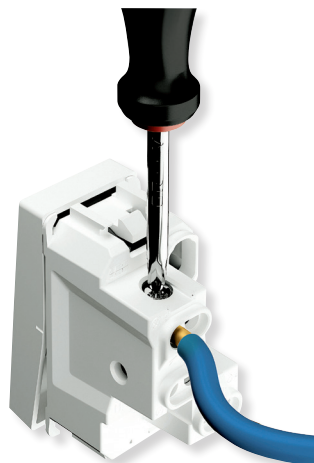
More functional and simple, allowing safer operation and preventing direct and indirect contact. 46 mm x 22 mm cover with 27 mm mechanism height.

Robust mechanism design

Contact function via indirect swaying and forced shut-off. This system offers robustness and durability, increasing its useful life.

Advanced connection

The direct contact connection system prevents the cable from moving, keeping it in place despite the temperature, movement or passing of time affecting the connection.



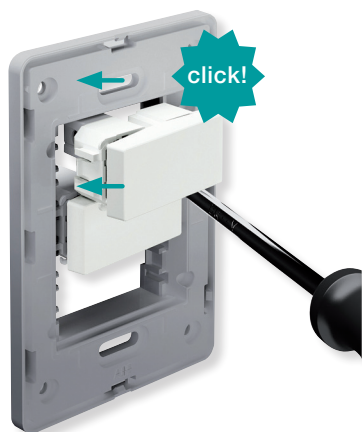
Safety

All the products in the Unno range come with childproofing measures ensuring everybody's safety, including children under the most adverse conditions, complying with ABNT NBR 60884-1:2004 + decree 085 regulations: 03-04-2006 and NBR 14136:2002.

Reinforced mounting

With exclusive mounting system that prevents it from becoming displaced or sunken. Manufactured from polycarbonate, a hard wearing and rigid material.





Rapid connection

Extraction and front setting mechanism. Two installation options that ensure mechanisms are perfectly aligned:

1. Mounting assembly and subsequent connection
2. Connection and subsequent mounting assembly

Visibility

White LED lighting offer higher luminosity. Energy savings. Up to 80% longer lasting.



Large cover sizes

Allows the correction of possible imperfections when installing wall switches.



A peaceful home

Quality technical design



The Unno range has been made based on ABB's experience in residential ranges that were designed to improve electrical installations, user safety, as well as to provide customer well-being.

The colours on offer in this range give life and exclusivity to your home. Making Unno a minimalist range, using straight and simple lines, the side colours give personality to each part, creating exclusive ambiances. The Unno range offers versatility and comfort without forgetting about design.

Unno is versatility and comfort

Wide variety of colours



Mounting plate finishes in:

White (WH), Black (NG),
Grey (GR), Gold (GO),
Chocolate (CH), Tangerine (TG),
Cherry (CH), Lilac (LL),
Mint (MN), Mustard (MS)
and Blue (BL).




Frame finishes in:

Mustard (MS), Chocolate (CT),
Tangerine (MD), Blueberry (AR),
Lilac (LL), Mint (MN), Caramel (CR)
and Blue (AZ).




Unno


1-way switches

Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 1-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 10 AX. Screw terminals. Optional: locator LED lamp N1191 BL (127 Vac).		
White	N1101 BL	2CLA110100N1102	30
White/Black	N1101 BN	2CLA110100N1802	30


2-way switches

Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 2-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 10AX. Screw terminals. Optional: locator LED lamp N1191 BL (127 Vac).		
White	N1102 BL	2CLA110200N1102	30
White/Black	N1102 BN	2CLA110200N1802	30


Intermediate switches


Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, intermediate, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 10 AX. Screw terminals. Optional: locator LED lamp N1191 BL (127 Vac).		
White	N1110 BL	2CLA111000N1102	30
White/Black	N1110 BN	2CLA111000N1802	30

Double pole switches


Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 1-way, DP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 20 AX. Screw terminals.		
White	N1101.7 BL	2CLA110170N1102	5
White/Black	N1101.7 BN	2CLA110170N1802	5

Switches with indicator light


Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 1-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 10 AX. Screw terminals. Included: locator LED lamp N1191 BL (127 Vac).		
White	N1101.3 BL	2CLA110130N1102	30
White/Black	N1101.3 BN	2CLA110130N1802	30

	Switch 1-gang, 2-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 10 AX. Screw terminals. Included: locator LED lamp N1191 BL (127 Vac).		
White	N1102.3 BL	2CLA110230N1102	30
White/Black	N1102.3 BN	2CLA110230N1802	30

Push buttons








Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP with bell symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 10 AX. Screw terminals. Optional: locator LED lamp N1191 BL (127 Vac).		
White	N1104 BL	2CLA110400N1102	30
White/Black	N1104 BN	2CLA110400N1802	30

Locator light



Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - 1M Suitable for all the switches and push buttons. White light. Rated voltage: 110 - 250 Vac. Rear connection with 2 cables. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
White	N1191 BL	2CLA119100N1002	10

Unno

Sockets


Color	Article-No.	Order-No.	Pack/Qty
	American earthed socket outlet - 1M Rated voltage: 125 Vac. Rated current: 15 A. Type B: 2P + E / NEMA 5-15R. Shuttered for child safety. Screw terminals.		
	White	N1128 BL 2CLA112800N1102	30
	American earthed duplex socket outlet - 3M Rated voltage: 125 Vac. Rated current: 15 A. Type B: 2P + E / NEMA 5-15R. Duplex outlet. Shuttered for child safety. Screw terminals.		
	White	N1328 BL 2CLA132800N1102	20
	Euro-American unearthed socket outlet - 1M Rated voltage: 125 / 250 Vac. Rated current: 15 / 16A. Type A+C: 2P (non-earthed) / NEMA 1-15R. Screw terminals.		
	White	N1135 BL 2CLA113500N1102	30
	Euro-American earthed socket outlet - 1M Rated voltage: 110 - 250 Vac. Rated current: 15 / 16 A. Type B+C: 2P + E / NEMA 5-15R. Shuttered for child safety. Screw terminals.		
	White	N1138 BL 2CLA113800N1102	30
	Euro-American earthed duplex socket outlet - 3M Rated voltage: 110 - 250 Vac. Rated current: 15 / 16 A. Type B+C: 2P + E / NEMA 5-15R. Shuttered for child safety. Screw terminals.		
	White	N1338 BL 2CLA133800N1102	20
	Brazilian 10A socket outlet - 1M Rated voltage: 110 - 250 Vac. Rated current: 10 A. Type N: 2P + E. Shuttered for child safety. Screw terminals.		
	White	N1136 BL 2CLA113600N1102	20
	Red	N1136 RJ 2CLA113600N7002	20
	Brazilian 20A socket outlet - 1M Rated voltage: 110 - 250 Vac. Rated current: 20 A. Type N: 2P + E. Shuttered for child safety. Screw terminals.		
	White	N1136.2 BL 2CLA113620N1102	20
	Red	N1136.2 RJ 2CLA113620N7002	20

USB chargers


Color	Article-No.	Order-No.	Pack/Qty
	USB charger 750mA, 1-gang - 1M Input voltage: 100 - 240 Vac $\pm 10\%$; 50/60 Hz. Input current: 0,12 A (with maximum load). Output voltage: 5 Vdc $\pm 5\%$. Output current: 750 mA. Power consumption in stand-by: $\leq 0,3W@230Vac$. Energy efficiency: $\geq 66\%$. Operating Temperature: 0° C to 45° C.		
	White	N1185 BL 2CLA118500N1102	1
	USB charger 2.000mA, 1-gang - 1M Input voltage: 100 - 230 Vac $\pm 10\%$; 50/60 Hz. Input current: 0,20 A (with maximum load). Output voltage: 5 Vdc $\pm 5\%$. Output current: 2.000 mA. Power consumption in stand-by: $\leq 0,01W@230Vac$. Energy efficiency: $\geq 79\%$. Operating temperature: 0°C to 45°C.		
	White	N1185.2 BL 2CLA118520N1102	1

Unno


TV socket outlets


Color	Article-No.	Order-No.	Pack/Qty
	TV terminal outlet F-type - 1M Single TV outlet - Dead-end. F type. For 75Ω impedance coaxial cable. Frequency range: 0 - 2.000 Mhz. Working voltage: 250 VRMS max. Dielectric withstanding voltage: 500 VRMS min. Contact resistance: - 5 mΩ max. (center contact). - 2 mΩ max. (outer contact). Insulator resistance: 1.000 MΩ min.		
	White	N1150 BL	2CLA115000N1102 10

Telephone outlets


Product	Article-No.	Order-No.	Pack/Qty
	Telephone outlet RJ11 - 1M RJ11 type connector. 4 contacts. Suitable for 2 or 4 contacts jack. Screw terminals.		
	White	N1117 BL	2CLA111700N1102 10


Data outlets


Color	Article-No.	Order-No.	Pack/Qty
	Data outlet RJ45 Cat.5e UTP RJ45 type connector. Cat.5e UTP. In compliance with ANSI/TIA/EIA 568B.2 , ISO/IEC11801 & EN50173. Universal TIA/EIA 568A and 568B labeling. Housing: ABS UL-94-0. Durability: 750 cycles min. (ISO/IEC 11801, IEC 60603-7-4). IDC: PC UL94V-0, Accept 22-26AWG solid wire. Contact: RJ45 8P8C, 3~50 micro-inch gold plating over nickel plated on contact area. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	White	N1118.5 BL	2CLA111850N1102 10


	Data outlet RJ45 Cat.6 UTP RJ45 type connector. Cat.6 UTP. In compliance with ANSI/TIA/EIA 568B.2 , ISO/IEC11801 & EN50173. Universal TIA/EIA 568A and 568B labeling. Housing: ABS UL-94-0. Durability: 750 cycles min. (ISO/IEC 11801, IEC 60603-7-4). IDC: PC UL94V-0, Accept 22-26AWG solid wire. Contact: RJ45 8P8C, 3~50 micro-inch gold plating over nickel plated on contact area. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	White	N1118.6 BL	2CLA111860N1102 10


VDI outlets


Color	Article-No.	Order-No.	Pack/Qty
	2x RCA connection unit - 1M Front: 2x RCA connectors (Red / White). Rear: screw terminals (4 wires).		
	White	N1155.2 BL	2CLA115520N1102 1


	3x RCA connection unit - 1M Front: 3x RCA connectors (Red / White / Yellow). Rear: screw terminals (6 wires).		
	White	N1155.3 BL	2CLA115530N1102 1


	Mini-Jack connection unit - 1M Front: 1x Mini-Jack connector (3,5 mm. stereo audio jack). Rear: screw terminals (3/4 wires).		
	White	N1155.4 BL	2CLA115540N1102 1

	VGA connection unit - 1M Front: 1x VGA connector (DE-15 connector). Rear: screw terminals (15 wires).		
	White	N1155.5 BL	2CLA115550N1102 1

	HDMI connection unit - 1M Front: 1x HDMI connector (Type A connector). Rear: screwless terminals (20 wires).		
	White	N1155.6 BL	2CLA115560N1102 1


	HDMI female-female connection unit - 1M Front: 1x HDMI connector (Type A connector). Rear: 1x HDMI connector (Type A connector) fitted at 90° angle.		
	White	N1155.7 BL	2CLA115570N1102 1


	USB connection unit - 1M Front: 1x USB 2.0 connector (Type A connector). Rear: screwless terminals (5 wires).		
	White	N1155.8 BL	2CLA115580N1102 1

	USB female-female connection unit - 1M Front: 1x USB 2.0 connector (Type A connector). Rear: 1x USB 2.0 connector (Type A connector) fitted at 90° angle.		
	White	N1155.9 BL	2CLA115590N1102 1

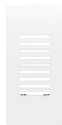
Unno

Light controls - Rotatory dimmers


Color	Article-No.	Order-No.	Pack/Qty
	Rotatory/push dimmer 127V - 1M Rated voltage: 110 - 127 Vac. Incandescent lamps: 50 - 500 W. Halogen lamps: 50 - 500 W. Overload and short-circuit protection with fuse (Not resetable).		
	White	N1160 BL	2CLA116000N1102 10


	Rotatory/push dimmer 220V - 2M Rated voltage: 220 - 230 Vac. Incandescent lamps: 50 - 700 W. Halogen lamps: 50 - 700 W. Overload and short-circuit protection with fuse (Not resetable).		
	White	N1160.1 BL	2CLA116010N1102 6

Buzzer

Color	Article-No.	Order-No.	Pack/Qty
	Buzzer - 1M Rated voltage: 110 - 230 Vac. Sound level at 1 meter: 75dB. Adjustable volume with screwdriver.		
	White	N1119 BL	2CLA111900N1102 10

Blank covers / Cable outlets

Color	Article-No.	Order-No.	Pack/Qty
	Cable outlet - 1M Includes a clamp to fix the cable.		
	White	N1107 BL	2CLA110700N1102 10

	Blank cover - 1M		
	White	N1100 BL	2CLA110000N1102 20

Unno Frames





Mounting plates





Unno


White frames without mounting plate


Color	Article-No.	Order-No.	Pack/Qty
	Blank frame With pre-cut for cable outlet. Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1370 BL	2CLA137000N1102 10


	1-gang frame - 1 module vertical Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1371.1 BL	2CLA137110N1102 10


	1-gang frame - 1 module Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1371 BL	2CLA137100N1102 10


	1-gang frame - 2 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1372 BL	2CLA137200N1102 10


	2-gang frame - 1+1 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1371.2 BL	2CLA137220N1102 10


	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1373 BL	2CLA137300N1102 10

Color	Article-No.	Order-No.	Pack/Qty
	Blank frame With pre-cut for cable outlet. Dimensions: 115 x 128 mm. Not included: mounting plate N1673.9 XX. For 4" x 4" Brazilian boxes.		
	White	N1670 BL	2CLA167000N1102 10

	2-gang frame - 1+1 modules Dimensions: 115 x 128 mm. Not included: mounting plate N1673.9 XX. For 4" x 4" Brazilian boxes.		
	White	N1671.2 BL	2CLA167120N1102 10


	2-gang frame - 2+2 modules Dimensions: 115 x 128 mm. Not included: mounting plate N1673.9 XX. For 4" x 4" Brazilian boxes.		
	White	N1672.2 BL	2CLA167220N1102 10


	4-gang frame - 1+1+1+1 modules Dimensions: 115 x 128 mm. Not included: mounting plate N1673.9 XX. For 4" x 4" Brazilian boxes.		
	White	N1671.4 BL	2CLA167140N1102 10


	2-gang frame - 3+3 modules Dimensions: 115 x 128 mm. Not included: mounting plate N1673.9 XX. For 4" x 4" Brazilian boxes.		
	White	N1673.2 BL	2CLA167320N1102 10


Unno


Colored frames without mounting frame


Color	Article-No.	Order-No.	Pack/Qty
	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Chocolate	N1373 CT	2CLA137300N2602	10


	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Mandarin	N1373 MD	2CLA137300N2502	10

	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Blueberry	N1373 AR	2CLA137300N2402	10

	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Lilac	M1373 LL	2CLA137300N2302	10


Color	Article-No.	Order-No.	Pack/Qty
	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Mint	N1373 MN	2CLA137300N2202	10


	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting plate N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Mustard	N1373 MS	2CLA137300N2102	10


	1-gang frame - 3 modules Dimensions: 115 x 80 mm. Not included: mounting frame N1373.9 XX. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
Blue	N1373 AZ	2CLA137300N2002	10

Unno

Mounting frames

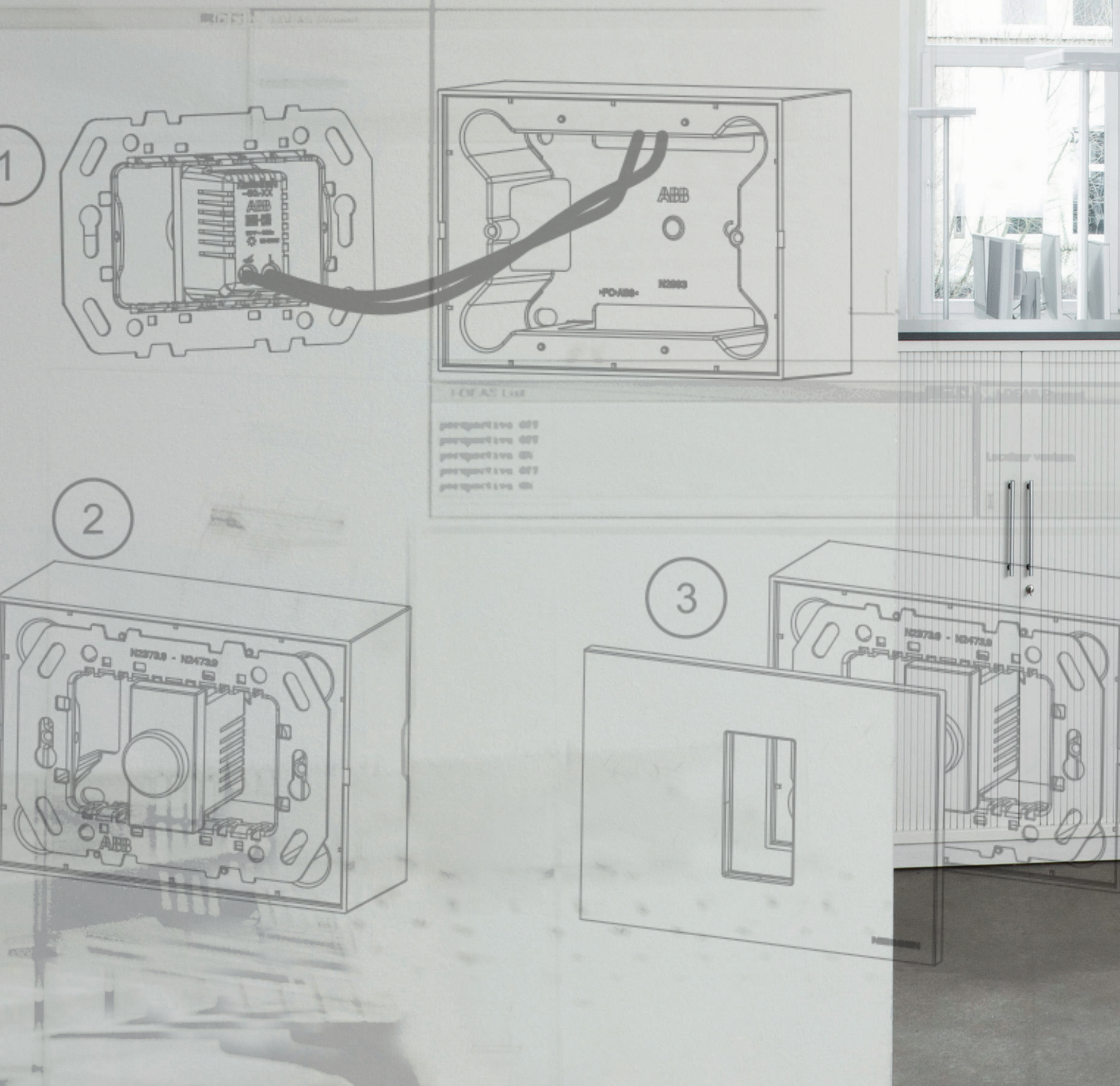
Color	Article-No.	Order-No.	Pack/Qty
	1-gang mounting frame - 2 modules vertical With colored decorative contour. 2 modules in vertical. For N1371.1 and N1372 frames. Dimensions: 115 x 80 mm. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1371.9 BL	2CLA137190N1102 10
	Black	N1371.9 NG	2CLA137190N1502 10
	Silver gray	N1371.9 GP	2CLA137190N1302 10
	Golden	N1371.9 DO	2CLA137190N2702 10
	Chocolate	N1371.9 CT	2CLA137190N2602 10
	Tangerine	N1371.9 MD	2CLA137190N2502 10
	Blueberry	N1371.9 AR	2CLA137190N2402 10
	Lilac	N1371.9 LL	2CLA137190N2302 10
	Mint	N1371.9 MN	2CLA137190N2202 10
	Mustard	N1371.9 MS	2CLA137190N2102 10
	Blue	N1371.9 AZ	2CLA137190N2002 10

	1-gang mounting frame - 3 modules With colored decorative contour. 3 modules. For N1371, N1372, N1371.2 and N1373 frames. Dimensions: 115 x 80 mm. Flush mounting boxes code: 499.3. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" Brazilian boxes and American boxes.		
	White	N1373.9 BL	2CLA137390N1102 10
	Black	N1373.9 NG	2CLA137390N1502 10
	Silver gray	N1373.9 GP	2CLA137390N1302 10
	Golden	N1373.9 DO	2CLA137390N2702 10
	Chocolate	N1373.9 CT	2CLA137390N2602 10
	Tangerine	N1373.9 MD	2CLA137390N2502 10
	Blueberry	N1373.9 AR	2CLA137390N2402 10
	Lilac	N1373.9 LL	2CLA137390N2302 10
	Mint	N1373.9 MN	2CLA137390N2202 10
	Mustard	N1373.9 MS	2CLA137390N2102 10
	Blue	N1373.9 AZ	2CLA137390N2002 10

Color	Article-No.	Order-No.	Pack/Qty
	2-gang mounting frame - 3+3 modules With colored decorative contour. 3+3 modules. For N1671.2, N1672.2, N1671.4 and N1673.2 frames. Dimensions: 115 x 128 mm. For 4" x 4" Brazilian boxes.		
	White	N1673.9 BL	2CLA167390N1102 10
	Black	N1673.9 NG	2CLA167390N1502 10
	Silver gray	N1673.9 GP	2CLA167390N1302 10
	Golden	N1673.9 DO	2CLA167390N2702 10
	Chocolate	N1673.9 CT	2CLA167390N2602 10
	Tangerine	N1673.9 MD	2CLA167390N2502 10
	Blueberry	N1673.9 AR	2CLA167390N2402 10
	Lilac	N1673.9 LL	2CLA167390N2302 10
	Mint	N1673.9 MN	2CLA167390N2202 10
	Mustard	N1673.9 MS	2CLA167390N2102 10
	Blue	N1673.9 AZ	2CLA167390N2002 10

Diagrams & dimensions

Thinking of making your job easier. We create these supports to optimize your time. We provide all the technical information, diagrams and dimensions of each of our products in a clear and precise manner to facilitate understanding.

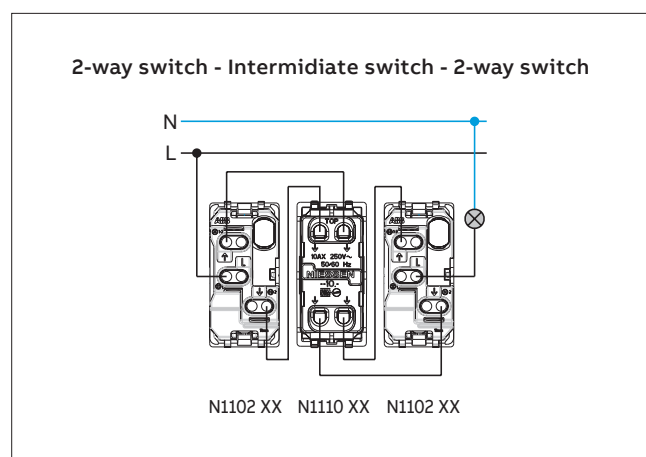
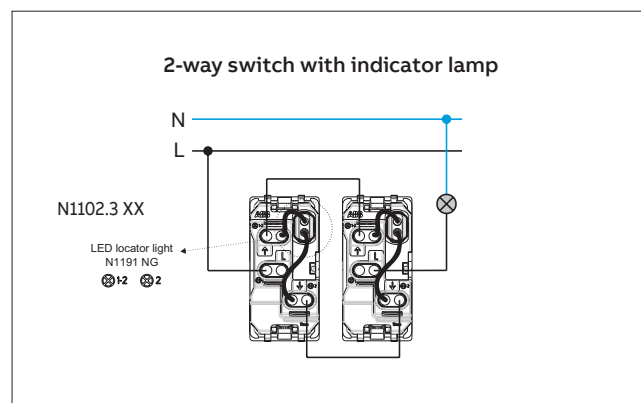
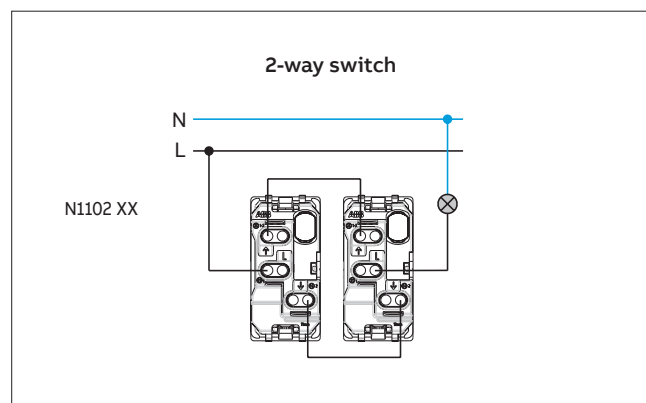
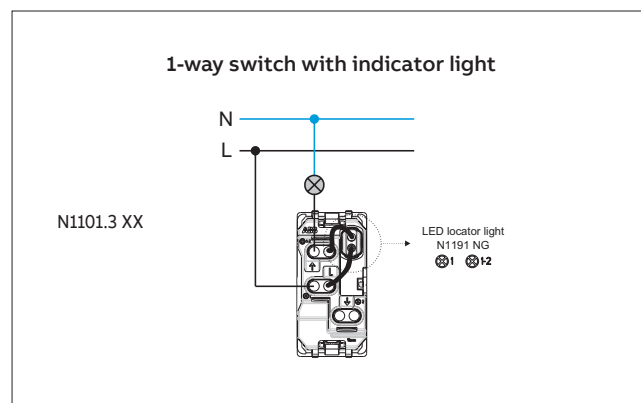
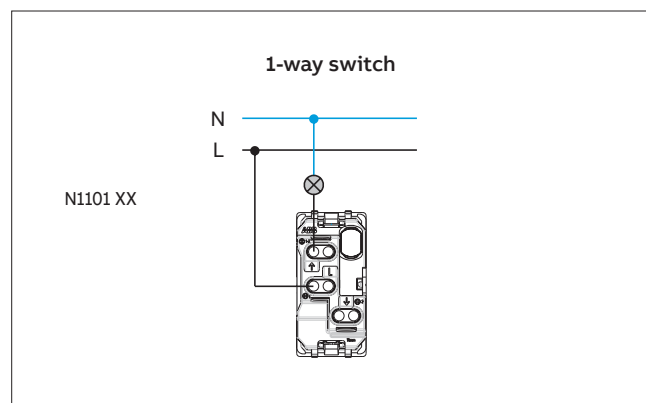




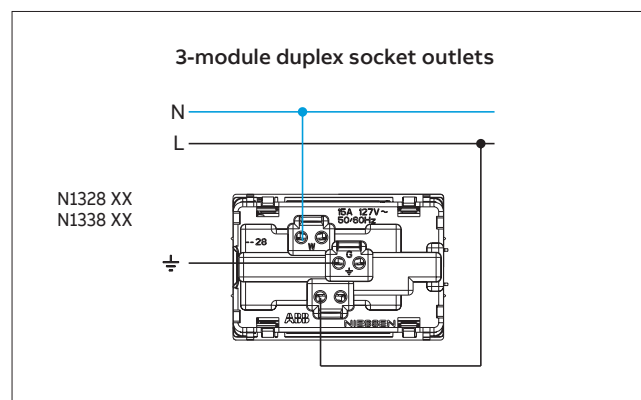
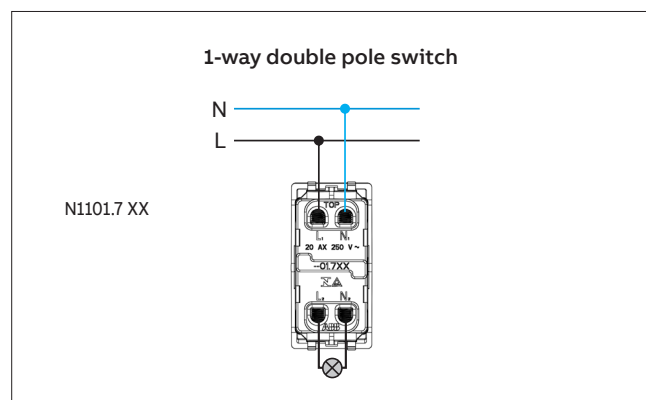
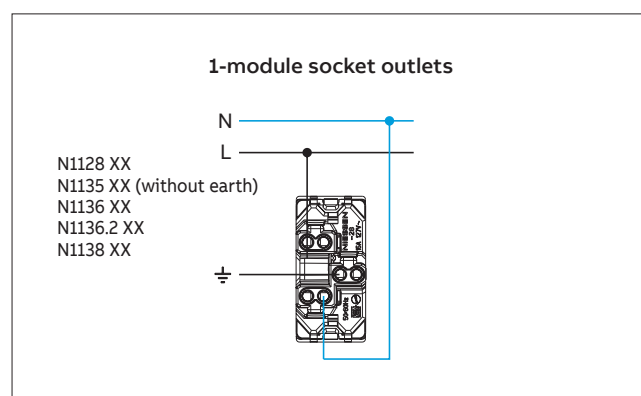
Switches

Optional: locator light

With locator light



Socket outlets



USB chargers

N1185 & N1185.2

1. Technical data:

Rated input voltage:

100 - 240 V AC $\pm 10\%$

Rated input frequency:

50 - 60 Hz

Rated input current:

N1185.2: 0,20Aac@max load

N1185: 0,12Aac@max load

Consumption in standby:

N1185.2: < 10 mW@230 VAC

N1185: $\leq 0,3$ W@230 VAC

Rated output voltage:

5 V DC $\pm 5\%$ / $\pm 5\%$

Rated output current:

N1185.2: 2000 mA a 5 V DC

N1185: 750 mA a 5 V DC

Operating temperature:

N1185.2: 0°C to 45°C , when installing

a N1185.2. 0°C to 30°C , when two

N1185.2 chargers together

N1185: 0°C + 45°C

Energy efficiency:

N1185.2: $> 79\%$

N1185: $\geq 66\%$

2. Electrical safety data:

Safety standard:

EN60950-1 - Low Voltage Directive

Protection class:

II - Low voltage

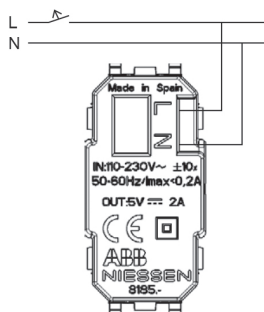
Isolation (primary-secondary):

Transformer with galvanised isolation

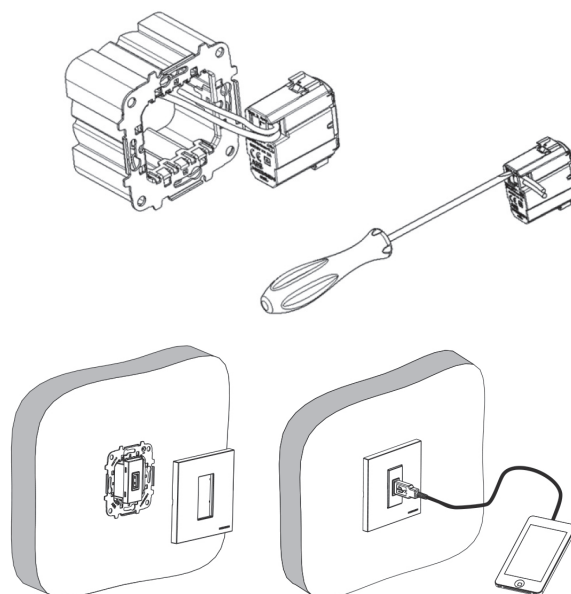
EMC Directive:

EN 55022, EN 55024

3. Wiring diagram

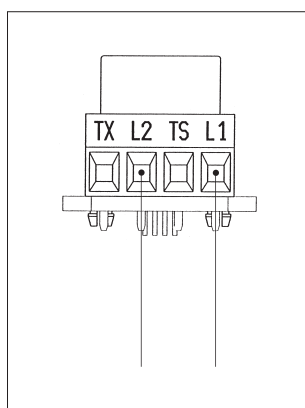


4. Installation



Telephone outlets

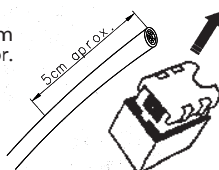
N1117



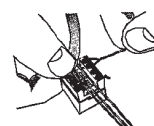
Data outlets - RJ45 Cat. 5e UTP female connector

N1118.5

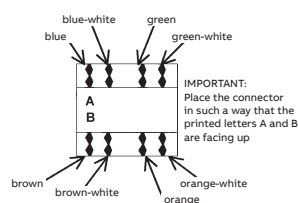
1 Remove the back cap from the connector. Strip approx. 5 cm off the jacket and discard the cable cutter cord.



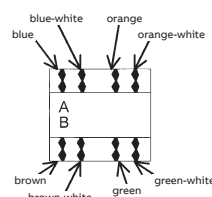
2 Bring the cable close to the connector, with the jacket at approx. 6 mm from the connector. Insert the cables into the corresponding slots as indicated by the cable colour-wiring configuration for T568A or T568 B (as shown in Figures 2A and 2B).



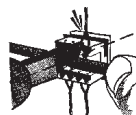
2a Wiring according to T568A:



2b Wiring according to T568B:



3 Push the cables against the end of the slot and cut them flush to the connector. Use an IBDN 110, BIX, KRONE wiring tool, or a similar type 110 tool.



4 Mount the connector cap.

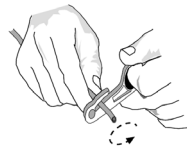


Data outlets - RJ45 Cat. 6 UTP female connector

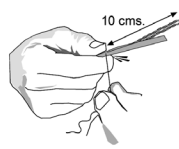
N1118.6

1 Preparing the Cable

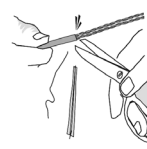
1.1 Cut approximately 5 cm. off the jacket.



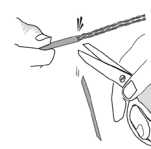
1.2 Open approx. 10 cm. of the jacket with a cutter cord or another tool.



1.3 Cut the jacket.

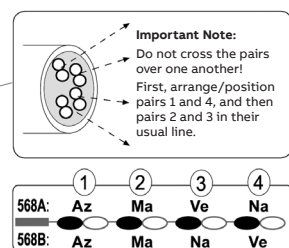
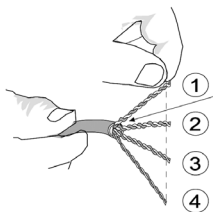


1.4 Cut the mesh (if it has one and the cord at the same level of the jacket).

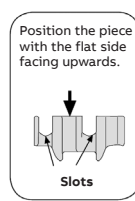


2 Preparing the Conductors

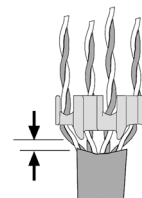
2.1 Select the adequate wiring scheme (568A or 568B) and place the pairs in a straight line.



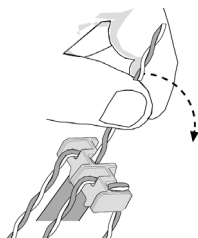
2.2 Position each of the four pairs in the holes of the end piece.



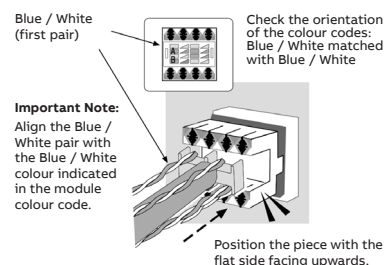
2.3 Ensure the end piece is located as close as possible to the edge of the jacket.



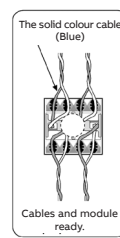
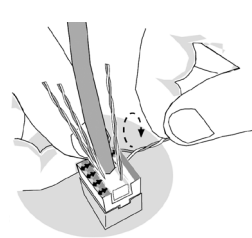
2.4 Place the pairs in the direction of the end piece slots.



2.5 Insert the end piece into the module.

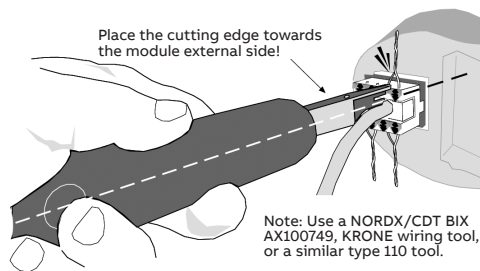


2.6 Unbraid the pairs, position and insert the cable in the module slots. Place the **solid colour cable in the first slot of the pair.**



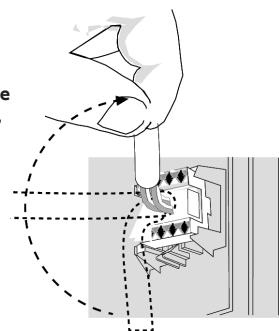
3 Conductor Terminations

3.1 Place the tool perpendicular to the module and finish cutting the cables.



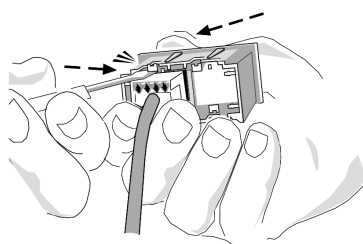
4 Placing the Cable

4.1 Place the cable in the upper, perpendicular, or lower position so that it is easy to insert the module in the box for attachment.

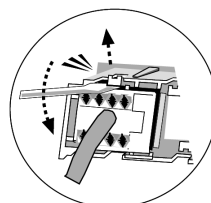


5 Disassembling the module from the supporting piece

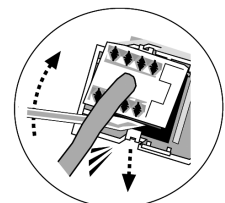
5.1 Push the front of the module in with your thumb releasing the hooks.



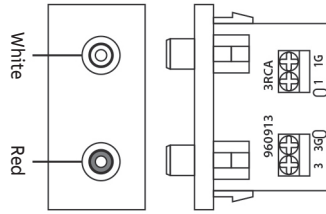
5.2 Pry upwards to release the upper hook.



5.3 Pry downwards to release the lower hook.



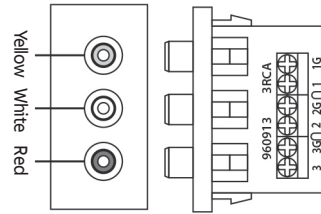
VDI connectors



N2155.2

Pin Out:

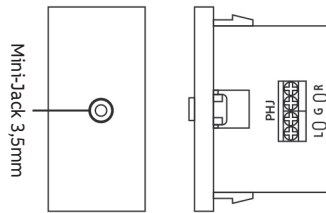
1G — W/GND } Left Audio
1B — White }
3G — R/GNB } Right Audio
3R — red }



N2155.3

Pin Out:

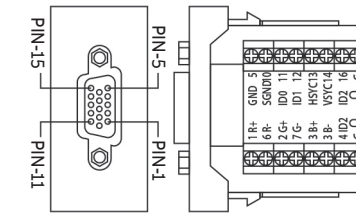
1G — Y/GND } Composite Video
1A — Yellow }
2G — W/GND } Left Audio
2B — White }
3G — R/GND } Right Audio
3R — Red }



N2155.4

Pin Out:

R — Red } Left Audio
G — Ground }
L — White } Right Audio



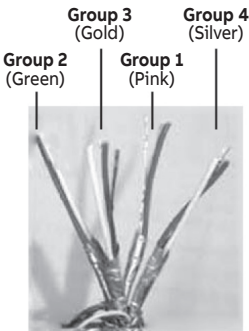
N2155.5

PIN

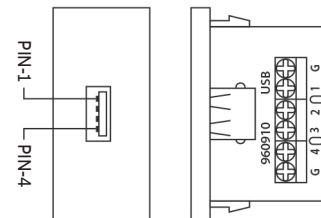
1 — 1 R+ 5 — GND 5
6 — 6 R- 10 — SGND 10
2 — 2 G+ 11 — ID0 11
7 — 7 G- 12 — ID1 12
3 — 3 B+ 13 — HSYNC 13
8 — 8 B- 14 — VSYNC 14
4 — 4 ID2 15 — ID2 15
G — GND G — GND

N2155.6

1 — TMDS Data2+
G-1 { 2 — TMDS Data2 Shield
3 — TMDS Data2-
4 — TMDS Data1+
G-2 { 5 — TMDS Data1 Shield
6 — TMDS Data1-
7 — TMDS Data0+
G-3 { 8 — TMDS Data0 Shield
9 — TMDS Data0-
10 — TMDS Clock+
G-4 { 11 — TMDS Clock Shield
12 — TMDS Clock-
13 — CEC
14 — RESERVED (N.C. on device)
15 — SCL
16 — SDA
17 — DDC/CEC Ground
18 — +5V Power
19 — Hot Plug Detect
GND — Ground



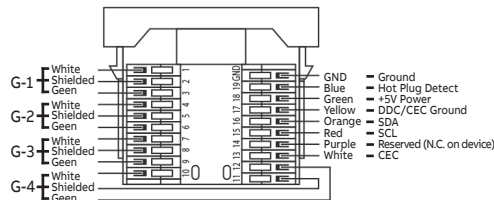
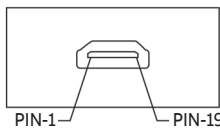
On Group included 3 wires



N2155.8

Pin Out:

1 — VBUS
2 — D-
3 — D+
4 — Ground
G — Shielded



Note:

Using a strap for fixing the cable to the board it is recommended to avoid disconnections. For this the plates have two through-holes at its rear end.

1 Module dimmer

N1160 & N1160.1


1. Technical Data


Voltage:

N1160: 127 V~ ; 60 Hz

N1160.1: 230 V~ ; 50-60 Hz

Power:

N1160: 50-500 W 

N1160.1: 50-700 W 

Operating temperature:

0 – 30° C

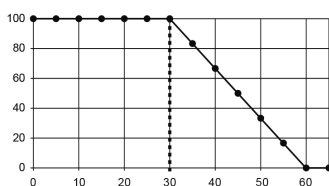


Table 1:
Power reduction (%) as a function of temperature (°C)

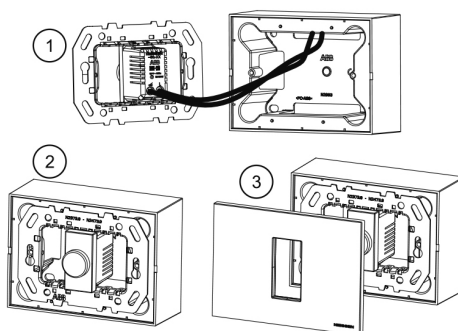
2. Assembly/Connection

2.1. Assembly

Important:

If the dimmer is installed next to another electronic device that can produce heat, the maximum power must be reduced in half.

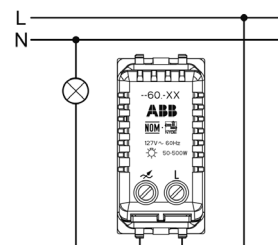
If it is installed between two electronic devices that can produce heat, the maximum power must be reduced to the fourth.



2.2. Connection

Important:

Disconnect the power supply when installing.



3. Operation

Do not exceed the maximum shown in Table 1, since the dimmer has a NON-resettable thermal fuse. If the fuse is triggered, the electronic dimmer is useless for further use. In case of exceeding the maximum load, the fuse could not trig but it may happen that the load will not turn off.

Buzzer

N1119

1. Technical data

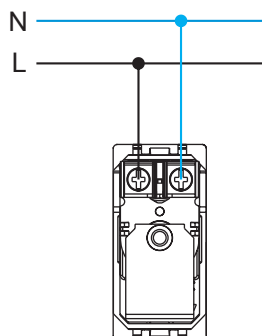
Rated voltage: 127-230 Vac / 50-60 Hz.

Rated power: 8 VA.

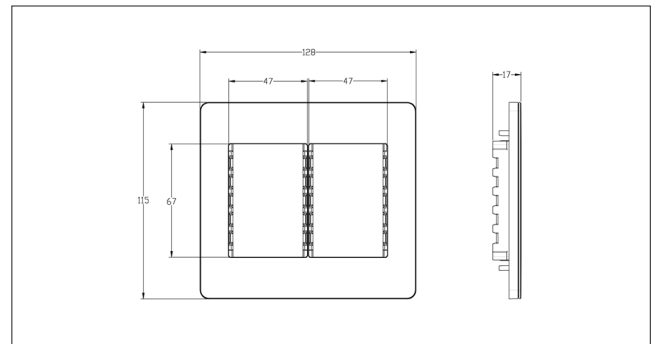
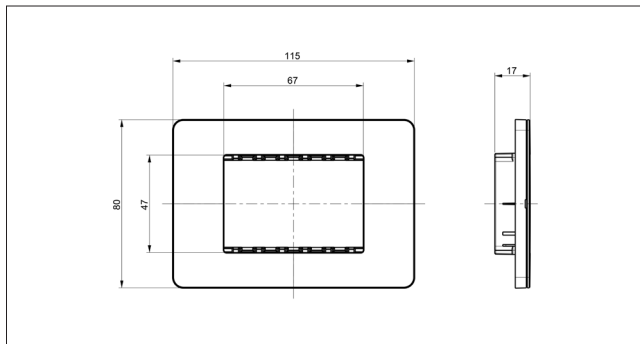
Adjustable tone.

Acoustic power at 1 meter with cover plate: 75 dB.

2. Wiring diagram:



Frames



Asea Brown Boveri, S.A.
Low Voltage Products - Niessen

Pol. Ind. de Aranguren, 6
20180 OIARTZUN
Spain
Tel.: +34 943 260 101
Fax: +34 943 260 240
www.abb.es/niessen

