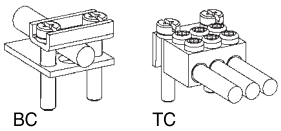
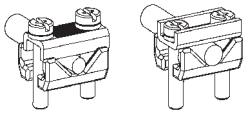
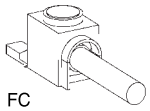
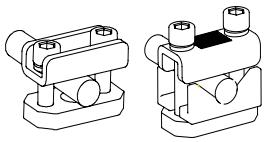
XLP 00

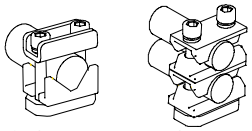




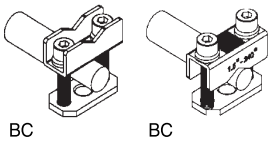


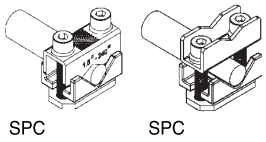
XLP 1

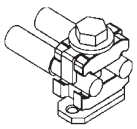




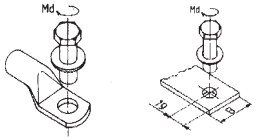
XLP 2/3







Bolt M12x30 DIN 933



Cable clamps and bolts

XLP 00

Type	Conductor cross section min-m					Ordering details Type No.
	Busbars HxWmm	Conductor flexible mm²	Rm/Sm mm²	Re/Se mm²	Torque Nm**	
Cage Clamps (cc)		1.5 - 25	1.5 - 35	1.5 - 35	3.2	Included in the switch

XLP 00

Type	Conductor cross section min-m					Ordering details Type No.
	Busbars HxWmm	Conductor flexible mm²	Rm/Sm mm²	Re/Se mm²	Torque Nm**	
Bridge Clamp (BC)		1.5- 35	1.5- 50	1.5- 50	3.2	1SEP 407733 R0001
Triple Clamp (TC)		1.0- 10	1.0- 10	1.0- 10	3.5	1SEP407787R0001
Single Prism Clamp (SPC)		1.5- 16 25 - 50	1.5- 16 25- 70	1.5- 16 25- 70	3.5	1SEP407732R0001
Feeding Clamp (FC) 6BC		25- 70	25- 95	25- 95	10	1SEP407811R0001
Bolt M8x16 DIN 933	4 x 20				10	NHP 400940R0006
Bolt M8x16 DIN 933 for Cable lug DIN 46234		10 - 95	10 - 95	10 - 95		
Bolt M8x16 DIN 933 for Cable lug DIN 46235		16 - 70	16 - 70	16 - 70		

XLP 1

Type	Conductor cross section min-m					Ordering details Type No.
	Busbars HxWmm	Conductor flexible mm²	Rm/Sm mm²	Re/Se mm²	Torque Nm**	
Bridge Clamp (BC)	10 x	16- 70	16- 95	16- 95	10	1SEP407733R0002
Single Prism Clamp (SPC)	19	16- 70 95- 150	16- 95 95- 185*	16- 95 95- 150	10	1SEP407732R0002
Double Prism Clamp (DPC)		2x70 - 2x95	2x70 - 2x120	2x70 - 2x120	10	NHP403631R0001
Bolt M8x16 DI.33					10	NHP403625R0001
Bolt M8x16 DIN 933 for Cable lug DIN 46234	10 x 40	10- 240	10- 240	10- 240		
Bolt M8x16 DIN 933 for Cable lug DIN 46235		16- 240	16- 240	16- 240		

XLP 2/3

Type	Conductor cross section min-m					Ordering details Type No.
	Busbars HxWmm	Conductor flexible mm²	Rm/Sm mm²	Re/Se mm²	Torque Nm**	
Bridge Clamp (BC)	26 x 14	16- 300 70- 240	16- 300 50- 185	16- 300 50- 185	14	1SEP407953R0001
Single Prism Clamp (SPC)		16- 240 25- 95	16- 240 25- 70	16- 240 25- 70	14	1SEP407954R0001
Double Prism Clamp (DPC)		2x35 - 2x120	2x35 - 2x150	2x35 - 2x150/ 2x50 - 2x185	22	1SEP407956R0001
Bolt M8x16 DIN 933	50 x 12				25	NHP403626R0001
Bolt M8x16 DIN 933 for Cable lug DIN 46234		10- 240	10- 240	10- 240		
Bolt M8x16 DIN 933 for Cable lug DIN 46235		16- 300	16- 300	16- 300		

Note: tested according to standard: EN IEC 60947- 1 and DIN VDE 0295.

Explanations:

Flexible: Multi stranded — Re: Round solid
Se: Sector shaped solid — Rm: Round stranded
Sm: Sector shaped stranded

*) The Sm (sector shaped stranded) 150 mm2 and 185 mm2 have to be round formed before inserted in the Prism Clamp.

**) For correct Torque (Nm) values, please study the installation description delivered with the devices.



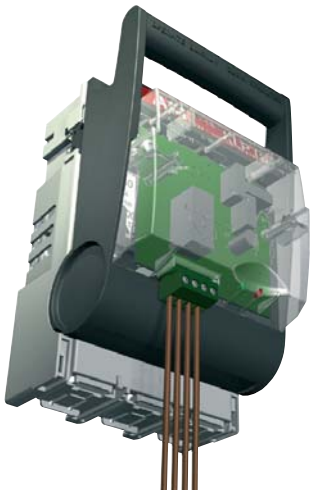
Electronic Fuse Monitort

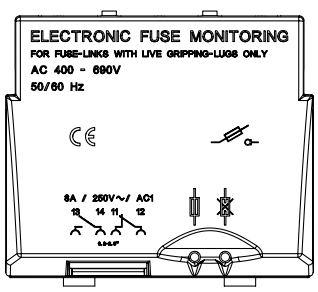
The fuse monitor is a fuse blown monitoring and indication device.
It will be automatically reset after the blown fuse has been replaced and the green LED turns on again.

The matrix below show all possible cases of indication.

Status	XLP EFM	Led Green		Led Red		NO contact 13. 14		NC contact 11. 12	
Fuse status	Voltage on phases	Illuminated	dark	Illuminated	dark	open	closed	open	closed
Switch closed:									
Switch closed:									
Fuse OK	Phases OK	x			x	x			x
Fuse OK	1 Phases loss	x (L1)	x (L1,L2)		x	x			x
Fuse OK	2, 3 Phases loss		x		x	x			x
Fuse Blown	Phases OK		x						
Fuse Blown	1 Phases loss		x	x	x (L2,L3)	x (L2,L3)	x (L1)	x	x (L2,L3)
Fuse Blown	2, 3 Phsses loss		x	x (L1)	x	x		x (L1)	x
Switch Open:									
Fuse OK	Phases OK		x		x	x			x
Fuse OK	Phases loss		x		x	x			x
Fuse Blown	Phases OK		x		x	x			x
Fuse Blown	Phases loss		x		x	x			x

x (L1): The case if Phase L1 is lost
x (L2, L3): The case if Phase L2 or L3 both are lost





The fuse monitor is connected to the gripping lugs of the fuses.

Technical data :

Minimum operation voltage:	400V - 15%
Maximum operation voltage:	690V - 12%
Uimp over a blown fuse:	12,3 kV
Uimp between phases:	9.8 kV
Uimp between main circuit/ relay contacts.:	9.8 kV
Dielectric test voltage input / output:	3.5 kV / 50 Hz / 1 minute
Electrostatic Discharge:	EN61000-4-2 +/- 4 kV
Electrical Fast Transient:	EN61000-4-4 +/- 2 kV
Conducted Fast Transient:	EN61000-4-6 10Vrms / 150kHz Ð 80 MHz
Connector:	MSTB 2,5/4 - ST - 5,08
Wire size:	AWG 22-12 / 0.2-2.5mm2
EMC tested:	Yes

Relay:

Nominal current:	8 amp
Nominal switching capacity:	2000VA, AC1
Maximum switching voltage:	440V AC, 250V DC

Note:

· Insulated gripping lugs can not be used.
· The fuse monitor requires that the supply side of the XLP should be on top of the switch.

EasyLine
Fuse Switches
Technical Data

3 Pole

Description		XLP 000	XLP 00	XLP 1	XLP 2	XLP 3
Fuse size acc. to DIN 43620 / IEC / EN 60269- 2- 1		000 Max. W=21 mm	00	1	2	3
Rated operational voltage Ue	V	400 500 690	400 500 690	400 500 690	400 500 690	400 500 690
Rated operational current Ie	A	80 100 50	125 160 125	250 200	400 315	630 500
Thermal current w/ fuse link Ith	A	100	160	250	400	630
Rated insulation voltage Ui	V	690	1000	1000	1000	1000
Rated impulse withstand voltage Uimp	V	6000	8000	8000	8000	8000
Fuse protected short circuit making	kArms	50	50	50	50	50
Rated making and breaking capacity :		AC23B AC22B AC21B	AC23B AC22B AC21B	AC23B AC22B AC21B	AC23B AC22B AC21B	AC23B AC22B AC21B
Rated frequency	Hz	50/60	50/60	50/60	50/60	50/60
Power loss at Ith without fuse link/ phase	W	1.4	3.5	7.5	13	24
Electrical durability		300	200	200	200	200
Mechanical durability		1700	1400	1400	800	800
Degree of protection from the front	Open	IP20	IP20	IP20	IP20	IP20
acc. to IEC / EN 60529 Closed	Closed	IP30	IP30	IP30	IP30	IP30

4 Pole

Description		SLP 00	SLP 1	SLP 2	SLP 3
Fuse size acc. to DIN 43620 / IEC / EN 60269- 2- 1		00	1	2	3
Rated operational voltage Ue	V	400	400	400	400
Rated operational current Ie	A	160	250	400	630
Rated insulation voltage Ui	V	1000	1000	1000	1000
Rated impulse withstand voltage Uimp	V	8000	8000	8000	8000
Fuse protected short circuit making	kArms	50	50	50	50
Rated making and breaking capacity :	400Vac	AC22B	AC22B	AC22B	AC22B
Rated frequency	Hz	50/60	50/60	50/60	50/60
Degree of protection from the front	Open	IP10	IP10	IP10	IP10
acc. to IEC / EN 60529 Closed	Closed	IP30	IP30	IP30	IP30

The products are designed and tested in accordance with IEC / EN 60947- 3.
Additionally, all development and production activities are in compliance with the Quality System Standard EN ISO 9001 and Environmental Standards EN ISO 14001.

EasyLine
Fuse Switches, XLP
Ordering Details











XLP 000 Apparatus

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 000-6CC	100 A Fuse switch disconnector incl.6 CC	1SEP 201428 R0001	1	0.46
XUP 000-6CC	100 A Fuse Base incl. 6 CC	1SEP 201432 R0001	1	0.34

XLP 00 Apparatus

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 00	160 A without clamps, bolts	1SEP 101890 R0001	1	0. 55
XLP 00-6BC	160 A incl. 6 BC	1SEP 101890 R0002	1	0. 63
XLP 00-PMNS-3BC	160 A Prepared for MNS adapter incl. 3 BC	1SEP 101890 R0302	1	0. 64
XLP 00-EFM 6BC	160 A incl. El. Fuse Mon. incl 6 BC	1SEP 101890 R0012	1	0. 68
XLP 00-PMNS-EFM-3BC	160 A Pr. f. MNS Adp. incl. El. Fuse Mon.incl. 3 BC	1SEP 101890 R0312	1	0. 64

XLP 1 with Adapter

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 00-A60/60-3BC-Down	160 A incl. A60/ 60 Adapter incl. 3 BC, cable down	1SEP 101916 R0001	1	0. 95
XLP 00-A60/60-3BC-Up	160 A incl. A6060 Adapter incl. 3 BC, cable up	1SEP 101917 R0001	1	0. 95
XLP 00-A40/95-3BC	160 A incl. A40/ 95 Adapter incl. 3 BC	1SEP 101889 R0002	1	1.1
XLP 00-A40/75-3BC	160 A incl. A40/ 75 Adapter incl. 3 BC	1SEP 101898 R0002	1	1
XLP 00-A40/75-3M8	160 A incl. A40/ 75 Adapter incl. 3 M8 bolts	1SEP 101898 R0004	1	1
XLP 00-A40/120-3BC	160 A incl. A40/ 120 Adapter incl. 3 BC	1SEP 101899 R0002	1	1.2
XLP 00-A40/120-3M8	160 A incl. A40/ 120 Adapter incl. 3 M8 bolts	1SEP 101899 R0004	1	1.2

XLP 1 Apparatus

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 1	250 A without clamps	1SEP 101891 R0001	1	1.6
XLP 1- 6BC	250 A incl. 6 BC	1SEP 101891 R0002	1	1.8
XUP 1	250 A Fuse Base without clamps, bolts	1SEP 101895 R0001	1	1.1
XUP 1- 6BC	250 A incl. 6 BC	1SEP 101895 R0002	1	1.3
XLP 1- EFM- 6BC	250 A incl. El. Fuse Mon. incl 6 BC	1SEP 101891 R0012	1	1. 97

XLP 1 with Adapter

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 1-A60/85-3BC-Down	250 A incl. A60/ 85 Adapter incl. 3 BC, cable down	1SEP 101918 R0001	1	2. 47
XLP 1-A60/85-3BC-Up	230 A incl. A60/ 85 Adapter incl. 3 BC, cable up	1SEP 101919 R0001	1	2. 47
XLP 1-A40/120-3BC	250 A incl. A40/ 120 Adapter incl. 3 BC	1SEP 101912 R0002	1	2.8
XLP 1-A40/120-3M10	250 A incl. A40/ 120 Adapter incl. 3 M10bolts	1SEP 101912 R0004	1	2. 75

XLP 2 Apparatus

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 2	400 A / without clamps , bolts	1SEP 101892 R0001	1	2.5
XLP 2- 6BC	400 A incl. 6 BC	1SEP 101892 R0002	1	3. 02
XLP 2- EFM- 6BC	400 A incl. El. Fuse Monitoring incl 6 BC	1SEP 101892 R0012	1	3.2

XLP 3 Apparatus

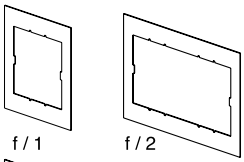
Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
XLP 3	630 A / without clamps , bolts	1SEP 101975 R0001	1	3.7
XLP 3- 6BC	630 A incl. 6 BC	1SEP 101975 R0002	1	4. 25
XLP 3- EFM- 6BC	630 A incl. El. Fuse Monitoring incl 6 BC	1SEP 101975 R0012	1	4.4

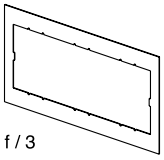
Explanations:

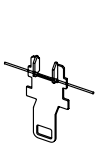
XLP 00 PMNS EFM 3BC Up

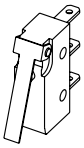
XLP = Basic Fuse switch disconnector
XUP = Basic Fuse base without front cover
Apparatus size
PMNS = Prepared for MNS adapter
Axx/ yy = A: Adapter xx: Busbardist. yy Depth mm.
EFM = Electronic Fuse Monitoring
6CC = 6 pcs Cage Clamps (XLP 000)
3BC = 3 pcs Bridge Clamps
3TC = 3 pcs Trippel Clamp
3FC = 3 pcs Feeding Clamp
3M8 = 3 pcs Bolts M8
3M10 = 3 pcs Bolts M10

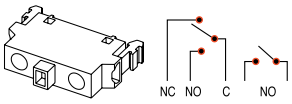
Front frams



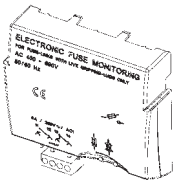


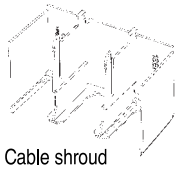

DIN rail snap on kit

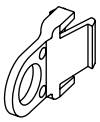

Micro auxiliary switch



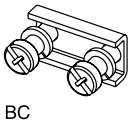
Auxiliary switch NO, NC

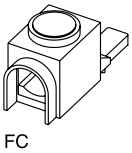

Electronic Fuse Monitoring kit

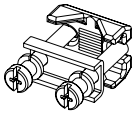

Cable shroud

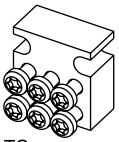

Padlock device

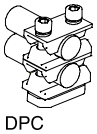

Bolt M10 x 20 w/ washer


BC


FC


SPC

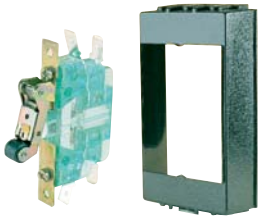

TC


DPC

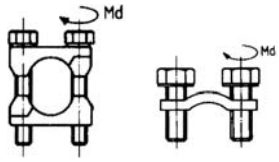
Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
Common Accessories				
Micro auxiliary switch	XLP 000, 00, 1, 2 and 3 - 6A / 150V	**1SEP 407742 R0001**	1	0,01
Auxiliary switch NC	XLP 00, 1, 2 and 3 - 10A / 690V	**1SEP 407742 R0002**	1	0.02
Auxiliary switch NO	XLP 00, 1, 2 and 3 - 10A / 690V	**1SEP 407742 R0003**	1	0.02
Padlock device	XLP 00, 1, 2 and 3	**1SEP 407786 R0001**		
XLP 000 Accessories				
XLP 000 Front cover (spare part)		**1SEP 304222 R0001**	1	0.17
XLP 000 DIN rail snap on kit, 1pc.		**1SEP 407740 R0001**	1	0. 006
XLP 000 DIN rail snap on kit, 10pcs.		**1SEP 407740 R0010**	10	0.06
XLP 000 DIN rail snap on kit, 50pcs.		**1SEP 407740 R0050**	50	0.3
XLP 000 DIN rail snap on kit, 100pcs.		**1SEP 407740 R0100**	100	0.6
XLP 000 Front frame f / 1 XLP		**1SEP 407741 R0001**	1	0.02
XLP 000 Front frame f / 2 XLP		**1SEP 407741 R0002**	1	0. 025
XLP 000 Front frame f / 3 XLP		**1SEP 407741 R0003**	1	0.03
XLP 00 Accessories				
XLP 00 Front cover (spare part)		**1SEP 101873 R0001**	1	0.17
XLP 00 Adapter MNS		**GLBS500162 R0001**	1	0.6
XLP 00 Adapter A60/ 60- Down	For 60 mm busbar distance 5 or 10 mm, cable down	**1SEP 101915 R0001**	1	0.38
XLP 00 Adapter A60/ 60- Up	For 60 mm busbar distance 5 or 10 mm, cable up	**1SEP 101910 R0001**	1	0.38
XLP 00 Adapter A40/ 75		**1SEP 101909 R0001**	1	
XLP 00 Adapter A40/ 120		**1SEP 101909 R0002**	1	
XLP 00 Front frame f / 1 XLP		**1SEP 407792 R0001**	1	0.02
XLP 00 Front frame f / 2 XLP		**1SEP 407792 R0002**	1	0.03
XLP 00 Front frame f / 3 XLP		**1SEP 407792 R0003**	1	0.04
XLP 00 Electronic Fuse Monitoring kit		**1SEP 304233 R0001**	1	0.09
XLP 00 Cable shroud		**1SEP 407793 R0001**	1	0.03
XLP 00 Snap on kit for double DIN rail		**1SEP 407897 R0001**	1	0.24
XLP 00 Bridge Clamp (BC)	1,5- 50 mm^2	**1SEP 407733 R0001**	3	0.04
XLP 00 Single Prism Clamp (SPC)	1,5- 70 mm^2	**1SEP 407732 R0001**	3	0.09
XLP 00 Triple Clamp (TC)	1,0- 10 mm^2	**1SEP 407787 R0001**	3	0.15
XLP 00 Feeding Clamp (FC)	25 - 95 mm^2	**1SEP 407811 R0001**	3	0.29
XLP 00 Bolt M8 x 16 w/ wash		**NHP 400940 R0006**	3	0.04
XLP 1 Accessories				
XLP 1 Front cover (spare part)		**1SEP 101883 R0001**	1	0.5
XLP 1 Adapter A60/ 85- Down	For 60 mm busbar distance 5 or 10 mm, cable down	**1SEP 201456 R0001**	1	0.74
XLP 1 Adapter A60/ 85- Up	For 60 mm busbar distance 5 or 10 mm, cable up	**1SEP 201451 R0001**	1	0.74
XLP 1 Adapter A40/ 120		**1SEP 201449 R0001**	1	
XLP 1 Front frame f/ 1 XLP		**1SEP 407815 R0001**	1	0.04
XLP 1 Front frame f/ 2 XLP		**1SEP 407815 R0002**	1	0.06
XLP 1 Electronic Fuse Monitoring kit		**1SEP 304279 R0001**	1	0.37
XLP 1 Cable shroud		**1SEP 407793 R0002**	1	0.1
XLP 1 Bridge Clamp (BC)	16- 95 mm^2	**1SEP 407733 R0002**	3	0.11
XLP 1 Single Prism Clamp (SPC)	16- 185 mm^2	**1SEP 407732 R0002**	3	0.17
XLP 1 Double Prism Clamp (DPC)	2 x 70- 120 mm^2	**NHP 403631 R0001**	3	0.44
XLP 1 Bolt M10 x 20 w/ washer		**NHP 403625 R0001**	3	0.09
XLP 2 Accessories				
XLP2 Front cover		**1SEP 101982 R0001**	1	0.65
XLP2 Front frame f/ 1 XLP2		**1SEP 407951 R0001**	1	0.4
XLP2 Electronic Fuse Monitoring		**1SEP 101983 R0001**	1	0.25
XLP2/ 3 Cable shroud		**1SEP 407952 R0001**	1	0.18
XLP2/ 3 Bridge Clamp (BC)	16- 300mm^2	**1SEP 407953 R0001**	3	0.26
XLP2/ 3 Single Prism Clamp (SPC)	25- 240mm^2	**1SEP 407954 R0001**	3	0.5
XLP2/ 3 Double Prism Clamp (DPC)	2x35- 150mm^2 sm, 2x35- 50mm^2 re, 2x35- 70mm^2 rm , 2x50- 185mm^2 se	**1SEP 407956 R0001**	3	0.36
XLP2/ 3 Bolt M12 w/ wash.		**NHP 403626 R0001**	3	0.18
XLP 3 Accessories				
XLP3 Front cover		**1SEP 101984 R0001**	1	0.9
XLP3 Frontframe f/ 1 XLP3		**1SEP 407955 R0001**	1	0. 055
XLP3 Electronic Fuse Monitoring		**1SEP 101985 R0001**	1	0.35
XLP2/ 3 Cable shroud		**1SEP 407952 R0001**	1	0.18
XLP2/ 3 Bridge Clamp (BC)	16- 300mm^2	**1SEP 407953 R0001**	3	0.26
XLP2/ 3 Single Prism Clamp (SPC)	25- 240mm^2	**1SEP 407954 R0001**	3	0.5
XLP2/ 3 Double Prism Clamp (DPC)	2x35- 150mm^2 sm, 2x35- 50mm^2 re, 2x35- 70mm^2 rm , 2x50- 185mm^2 se	**1SEP 407956 R0001**	3	0.36
XLP2/ 3 Bolt M12 w/ wash.		**NHP 403626 R0001**	3	0.18

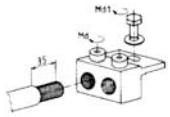
EasyLine
Fuse Switches, SLP
Ordering Details

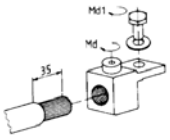


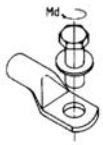


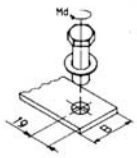














SLP 4 Pole

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
SLP 00 4 pole	160A	**NHP 100844 R0001**	1	1.2
SLP K1 4 pole	250A	**NHP 100799 R0001**	1	4.0
SLP K2 4 pole	400A	**NHP 100838 R0001**	1	7.6
SLP K3 4 pole	630A	**NHP 100838 R0002**	1	8.1

SLP Accessories

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
Cover IP 30 4 pole	SLP 00	**NHP 100991P 0001**	1	0.04
Cover IP 30 4 pole	SLP K1	**NHP 100993P 0001**	1	0.06
Cover IP 30 4 pole	SLP K2	**NHP 100992P 0001**	1	0.06
Cover IP 30 4 pole	SLP K3	**NHP 100992P 0001**	1	0.06
Auxiliary contact b	SLP 2/ 3	**NHP L045270 R0001**	1	0.01
Auxiliary switch h	SLP 2/ 3	**NHP L045353 R0001**	1	0.04
Front fixing device	SLP 00	**NHP L045155 R0001**	1	0.02

SLP Accessories

Description	Designation	Torque Nm	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
Single cable clamp, Al/ Cu 70- 150 mm^2	SLP K1	10	**NHP 403628 R0002**	1	
Double cable clamps, Al/ Cu 2x(70x150) mm^2	SLP K1	10	**NHP 403631 R0002**	1	
Single cable clamp, Al/ Cu 16- 150 mm^2	SLP K1	10	**NHP 403627 R0002**	1	
Single cable clamp, 16 Ð 240 mm^2	SLP K2 and SLP- K3	20	**NHP 403677 R0002**	1	0.46
Single cable clamp, Al/ Cu 95 - 240 mm^2	SLP K2 and SLP- K3	30	**NHP 403630 R0001**	1	0.85
Double cable clamps, Al/ Cu 2x95 Ð 240 mm^2	SLP K2 and SLP- K3	30	**NHP 403633 R0001**	1	
Cable lug connection Al/ Cu 240mm^2 (M10x20) and busbar connection 35 mm2 (M10x20)	SLP K1	25	**NHP 403625 R0002**	1	
Cable lug connection Al/ Cu 300 mm^2 (M12x30)	SLP K2 and SLP- K3	25	**NHP 403626 R0002**	1	

SF - 60 Busbar system

Description	Designation	Ordering details Type No.	Pack. Unit	Weight 1 pc/kg
Busbar carrier	5-10 x 12-30 mm	**GHV 240849R0001**	1	10.1
Cover f/ busbar carrier		**GHV 240849R0004**	1	0.03
Cable connection module	5-10 x 12-30 mm	**GHV 240849R0034**	1	0.62
Cover for cable connection module		**GHV 204849R0036**	1	0.15
Cover for busbar	12-30 x 5 mm	**NHSN320001P0001**	1	0.07
Cover for busbar	12-30 x 10 mm	**NHSN320001P0002**	1	0.084