Accessories for RCDs, MCBs, Combined RCD/MCB Devices, Motor Starters and Power Limiters

– Auxiliary Switch
– RCD-Tripping Module
– Shunt Trip Release
– Undervoltage Release
– Remote Control and Automatic Switching Device
– Switching Interlocks

SG60811



SG83911



SG30811



Powering Business Worldwide

Accessories for Protective Devices

Auxiliary Switch Z-HK, Z-AHK, Z-HD; Tripping Signal Switch Z-NHK

Design: for screwing

SG60911



Z-AHK

For Protective Device / Function		Type Designation	Article No.	Units per package
PFIM, PFHM-4p, dRCM	1NO+1NC	Z-HK	248432	4 / 120
PLS., PKD., PFHM-2p	1NO+1NC	Z-AHK	248433	4 / 120
PLS., PKD., PFIM, PFHM dRCM	2CO	Z-NHK	248434	4 / 120
PFDM	1CO+1NC	Z-HD	265620	1

Auxiliary Switch ZP-AHK, ZP-IHK, ZP-WHK; Tripping Signal Switch ZP-NHK

Design: for snapping

SG60811



ZP-IHK

For Protective Device / Function		Type Designation		Article No.	Units per package
PLS., PKN.	1NO+1NC	ZP-AHK	Phase out type	248436	4 / 120
PLS., PKN.	1NO+1NC	ZP-IHK		286052	4 / 120
PLS., PKN.	1CO	ZP-WHK		286053	4 / 120
PLS., PKN.	2CO	ZP-NHK		248437	4 / 120

RCD-Tripping Module Z-.AM

SG16011



Z-FAM

SG16211



Z-KAM

For Protective Device	Type Designation	Article No.	Units per package
PFIM, PFHM-4p, dRCM	Z-FAM	248293	1 / 60
PKNM, PKDM, PFHM-2p	Z-KAM	248294	1 / 60

Shunt Trip Release Z-ASA, ZP-ASA

SG00712



Z-ASA

SG00212



ZP-ASA

Operational voltage range (V~)	Type Designation	Article No.	Units per package
to be glued on			
12-110	Z-ASA/24	248286	1 / 60
110-415	Z-ASA/230	248287	1 / 60
to be snapped on			
12-110	ZP-ASA/24	248438	1 / 60
110-415	ZP-ASA/230	248439	1 / 60

Undervoltage Release Z-USA, Z-USD

SG78811



Op. voltage range (V~)/Function		Type Designation	Article No.	Units per package
to be screwed on				
115	undelayed	Z-USA/115	248288	1 / 60
230	undelayed	Z-USA/230	248289	1 / 60
400	undelayed	Z-USA/400	248290	1 / 60
115	delayed 0.4s	Z-USD/115	248292	1 / 60
230	delayed 0.4s	Z-USD/230	248291	1 / 60

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Remote Control and Automatic Switching Device Z-FW

SG30811



Function	Type Designation	Article No.	Units per package
Automatic restarting 230VAC	Z-FW-LP	248296	1 / 20
Automatic restarting 24-48VDC	Z-FW-LPD	265244	1 / 20
+ Remote control ON/OFF/TEST (only in connection with Z-FW-LP, -LPD from delivery date 2006!)	Z-FW-MO	284730	1

Pre-mounted sets Z-FW

- Set consisting of automatic switching device Z-FW-LP. and switching module Z-FW-MO

SG31311



230 VAC	Z-FW-LP/MO	290171	1 / 12
24-48 VDC	Z-FW-LPD/MO	290172	1 / 12

Remote Testing Module Z-FW (for Z-FW-LP./MO set use only)

SG12111



0,01 A	Z-FW/001	248297	4 / 120
0,03 A	Z-FW/003	248298	4 / 120
0,1 A	Z-FW/010	248299	4 / 120
0,3 A	Z-FW/030	248300	4 / 120
0,5 A	Z-FW/050	248301	4 / 120

Switching interlocks IS/SPE-1TE, Z-IS/SPE-1TE

SG47812



Description	Type Designation	Article No.	Units per package
Switching interlock without lock for Isolators, RCDs, combined RCD/MCBs, ...	IS/SPE-1TE	101911	5 / 30
Switching interlock without lock for MCBs and Circuit Breaker ZP-A	Z-IS/SPE-1TE	274418	5 / 30

Powering Business Worldwide

Surge Protection

SG13309



SG11309



SPD Class B

SG50312



SPI-35/440

Impulse Current I_{imp} (10/350)µs		Type Designation	Article No.	Units per package
Lightning current arresters SPI				
• No decoupling necessary, if arrester class C with Uc = 460 V are used for combination				
35kA	L - (PE)N	SPI-35/440	263137	6 / 120
50kA	N - PE	SPI-50/NPE	263138	2 / 120
100kA	N - PE	SPI-100/NPE	263139	1 / 60

Lightning current arrester Sets, Lightning protection classes I, II, III, IV

SG50212



SPI-3+1

Description		Type Designation	Article No.	Units per package
TN-C-Set	3-pole	SPI-35/440/3	267487	1 / 40
TN-S/TT-Set	3+1-pole	SPI-3+1	267488	1 / 20

Lead-through terminal for SPI

		SPB-D-125	248145	2 / 120

SPD Class B+C

SG27112



SPBT12-280/1

Impulse Current I_{imp} (10/350)µs		Type Designation	Article No.	Units per package
Lightning current arrester - surge arrester SPBT12				
Complete				
12.5kA	L - (PE) N	SPBT12-280/1	158306	12 / 120
100kA	N-PE	SPBT12-NPE100	158307	1 / 60

Lightning current arrester - surge arrester SPBT12

Insert

12.5kA	Insert	SPBT12-280	167341	4 / 120

Powering Business Worldwide

SG29612



SPBT12-280/3

Lightning current arrester - surge arrester Sets, Lightning protection classes III, IV

Description		Type Designation	Article No.	Units per package
Without remote indication				
TN-S/TT-Set	1+1-pole	SPBT12-280-1+NPE	158308	1 / 40
TN-S-Set	2-pole	SPBT12-280/2	158309	1 / 60
TN-C-Set	3-pole	SPBT12-280/3	158330	1 / 40
TN-S-Set	4-pole	SPBT12-280/4	158331	1 / 30
TN-S/TT-Set	3+1-pole	SPBT12-280-3+NPE	158332	1 / 20
TN-S/TT-Set	3+1-pole	SPBT12-280-3+NPE/BB	158333	1
With remote indication				
TN-S/TT-Set	1+1-pole	SPBT12-280-1+NPE-AX	158334	1 / 30
TN-S/TT-Set	3+1-pole	SPBT12-280-3+NPE-AX	158335	1
Accessories				
Auxiliary switch for SPBT12-280		ASAUXSC-SPM	131785	4 / 120
Busbar		ZV-KSBI...		

Lightning current arrester - surge arrester Sets, Lightning protection classes I, II, III, IV

SG53712



SP-B+C/3+1

Description		Type Designation	Article No.	Units per package
SPD Class B+C, SP-B+C/				
TN-C-Set	3-pole	SP-B+C/3	267489	1
TN-S/TT-Set	3+1-pole	SP-B+C/3+1	267510	1
Accessories				
Auxiliary switch for SP-B+C		ASAUXSC-SPM	131785	8 / 80

Powering Business Worldwide

SPD Class C

U1302



SPC-E-280

PHASE OUT TYPE

Surge arrester SPC-E

Max. Cont. Op. Volt. U_C	I_n (8/20)µs	Type Designation	Article No.	Units per package
75VAC	15kA	SPC-E-75	248148	12 / 120
130VAC	20kA	SPC-E-130	248149	12 / 120
175VAC	20kA	SPC-E-175	118920	12 / 120
280VAC	20kA	SPC-E-280	248150	12 / 120
335VAC	20kA	SPC-E-335	248151	12 / 120
385VAC	20kA	SPC-E-385	248152	12 / 120
460VAC	20kA	SPC-E-460	248153	12 / 120
580VAC	20kA	SPC-E-580	248154	12 / 120
N-PE 260VAC	30kA	SPC-E-N/PE	248157	12 / 120

PHASE OUT TYPE

Plug-in surge arrester SPC-S

Insert 1-pole

Insert 75VAC	15kA	SPC-S-15/75	248158	4 / 120
Insert 130VAC	20kA	SPC-S-20/130	248159	4 / 120
Insert 175VAC	20kA	SPC-S-20/175	248160	4 / 120
Insert 280VAC	20kA	SPC-S-20/280	248161	4 / 120
Insert 335VAC	20kA	SPC-S-20/335	248162	4 / 120
Insert 385VAC	20kA	SPC-S-20/385	248163	4 / 120
Insert 460VAC	20kA	SPC-S-20/460	248164	4 / 120
Insert 580VAC	20kA	SPC-S-20/580	248165	4 / 120
Insert N-PE 260VAC	30kA	SPC-S-N/PE	248166	4 / 120

SG14802



SPC-S-S4-3+1

Base 1- to 4-pole

Base 1-pole	SPC-S-S1	248167	12 / 120
Base 1+1 2-pole	SPC-S-S2-1+1	248201	6 / 60
Base 2-pole	SPC-S-S2	248168	6 / 60
Base 3-pole	SPC-S-S3	248169	4 / 40
Base 4-pole	SPC-S-S4	248170	3 / 30
Base 3+1 4-pole	SPC-S-S4-3+1	248171	3 / 30

PHASE OUT TYPE

Plug-in surge arrester SPC-S, 1- to 4-pole

Complete (2- and multi-pole surge arresters are supplied with busbar)

U1202



SPC-S-20/280/3

1-pole	130VAC	1x20kA	SPC-S-20/130/1	248188	12 / 120
1-pole	175VAC	1x20kA	SPC-S-20/175/1	248189	12 / 120
2-pole	175VAC	2x20kA	SPC-S-20/175/2	248190	1 / 60
1-pole	280VAC	1x20kA	SPC-S-20/280/1	248172	12 / 120
2-pole	280VAC	2x20kA	SPC-S-20/280/2	248173	1 / 60
3-pole	280VAC	3x20kA	SPC-S-20/280/3	248174	1 / 40
4-pole	280VAC	4x20kA	SPC-S-20/280/4	248175	1 / 30
1-pole	335VAC	1x20kA	SPC-S-20/335/1	248176	12 / 120
2-pole	335VAC	2x20kA	SPC-S-20/335/2	248177	1 / 60
3-pole	335VAC	3x20kA	SPC-S-20/335/3	248178	1 / 40
4-pole	335VAC	4x20kA	SPC-S-20/335/4	248179	1 / 30
1-pole	385VAC	1x20kA	SPC-S-20/385/1	248180	12 / 120
2-pole	385VAC	2x20kA	SPC-S-20/385/2	248181	1 / 60
3-pole	385VAC	3x20kA	SPC-S-20/385/3	248182	1 / 40
4-pole	385VAC	4x20kA	SPC-S-20/385/4	248183	1 / 30
1-pole	460VAC	1x20kA	SPC-S-20/460/1	248184	12 / 120
2-pole	460VAC	2x20kA	SPC-S-20/460/2	248185	1 / 60
3-pole	460VAC	3x20kA	SPC-S-20/460/3	248186	1 / 40
4-pole	460VAC	4x20kA	SPC-S-20/460/4	248187	1 / 30
1-pole	580VAC	1x20kA	SPC-S-20/580/1	248191	12 / 120
1+1p	–	–	SPC-S-1+1	248192	1 / 60
3+1p	–	–	SPC-S-3+1	248193	1 / 30
3+1p	–	–	SPC-S-3+N/PE	115795	1 / 30

Powering Business Worldwide

SG13109



SPCT2-280

NEW

Plug-in surge arrester SPCT2

Insert 1-pole

Insert 75VAC	20kA	SPCT2-075	167577	4/120
Insert 130VAC	20kA	SPCT2-130	167582	4/120
Insert 175VAC	20kA	SPCT2-175	167587	4/120
Insert 280VAC	20kA	SPCT2-280	167592	4/120
Insert 335VAC	20kA	SPCT2-335	167597	4/120
Insert 385VAC	20kA	SPCT2-385	167602	4/120
Insert 460VAC	20kA	SPCT2-460	167607	4/120
Insert 580VAC	20kA	SPCT2-580	167612	4/120
Insert 260VAC	30kA	SPCT2-NPE60	167617	4/120

SG50112



SPCT2-280/3

NEW

Plug-in surge arrester SPCT2, 1- to 4-pole

Complete (2- and multi-pole surge arresters are supplied with busbar)

1-pole	75VAC	20kA	SPCT2-075/1	167578	12/120
1-pole	130VAC	20kA	SPCT2-130/1	167583	12/120
1-pole	175VAC	20kA	SPCT2-175/1	167588	12/120
1-pole	280VAC	20kA	SPCT2-280/1	167593	12/120
1-pole	335VAC	20kA	SPCT2-335/1	167598	12/120
1-pole	385VAC	20kA	SPCT2-385/1	167603	12/120
1-pole	460VAC	20kA	SPCT2-460/1	167608	12/120
1-pole	580VAC	20kA	SPCT2-580/1	167613	12/120
1+N	260VAC	30kA	SPCT2-NPE60/1	167618	12/120
2-pole	75VAC	2x20kA	SPCT2-075/2	167579	1/60
2-pole	130VAC	2x20kA	SPCT2-130/2	167584	1/60
2-pole	175VAC	2x20kA	SPCT2-175/2	167589	1/60
2-pole	280VAC	2x20kA	SPCT2-280/2	167594	1/60
2-pole	335VAC	2x20kA	SPCT2-335/2	167599	1/60
2-pole	385VAC	2x20kA	SPCT2-385/2	167604	1/60
2-pole	460VAC	2x20kA	SPCT2-460/2	167609	1/60
2-pole	580VAC	2x20kA	SPCT2-580/2	167614	1/60
3-pole	75VAC	3x20kA	SPCT2-075/3	167580	1/40
3-pole	130VAC	3x20kA	SPCT2-130/3	167585	1/40
3-pole	175VAC	3x20kA	SPCT2-175/3	167590	1/40
3-pole	280VAC	3x20kA	SPCT2-280/3	167595	1/40
3-pole	335VAC	3x20kA	SPCT2-335/3	167600	1/40
3-pole	385VAC	3x20kA	SPCT2-385/3	167605	1/40
3-pole	460VAC	3x20kA	SPCT2-460/3	167610	1/40
3-pole	580VAC	3x20kA	SPCT2-580/3	167615	1/40
4-pole	75VAC	4x20kA	SPCT2-075/4	167581	1/30
4-pole	130VAC	4x20kA	SPCT2-130/4	167586	1/30
4-pole	175VAC	4x20kA	SPCT2-175/4	167591	1/30
4-pole	280VAC	4x20kA	SPCT2-280/4	167596	1/30
4-pole	335VAC	4x20kA	SPCT2-335/4	167601	1/30
4-pole	385VAC	4x20kA	SPCT2-385/4	167606	1/30
4-pole	460VAC	4x20kA	SPCT2-460/4	167611	1/30
4-pole	580VAC	4x20kA	SPCT2-580/4	167616	1/30
1+N	280VAC	20kA	SPCT2-280-1+NPE	167619	1/60
1+N	335VAC	20kA	SPCT2-335-1+NPE	167621	1/60
1+N	385VAC	20kA	SPCT2-385-1+NPE	167623	1/60
1+N	460VAC	20kA	SPCT2-460-1+NPE	167625	1/60
1+N	580VAC	20kA	SPCT2-580-1+NPE	167627	1/60
3+N	280VAC	20kA	SPCT2-280-3+NPE	167620	1/30
3+N	335VAC	20kA	SPCT2-335-3+NPE	167622	1/30
3+N	385VAC	20kA	SPCT2-385-3+NPE	167624	1/30
3+N	460VAC	20kA	SPCT2-460-3+NPE	167626	1/30
3+N	580VAC	20kA	SPCT2-580-3+NPE	167628	1/30
3+N/BB	280VAC	3x20kA	SPCT2-280-3+NPE/BB	167629	1
3+N/BB	335VAC	3x20kA	SPCT2-335-3+NPE/BB	167630	1
3+N/BB	385VAC	3x20kA	SPCT2-385-3+NPE/BB	167631	1
3+N/BB	460VAC	3x20kA	SPCT2-460-3+NPE/BB	167632	1

Surge arrester Set

Description	Type Designation	Article No.	Units per package
PHASE OUT TYPE **SPD Class C, SPC**			
Surge arrester set	SPC-S-3+1-SET	248194	1

SG14805



SPC-S-3+1-SET

Description	Type Designation	Article No.	Units per package
NEW **Auxiliary Switch**			
for SPCT2	ASAUXSC-SPM	131785	8 / 80

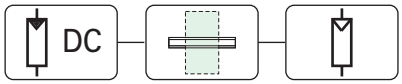
SG83311



Description	Type Designation	Article No.	Units per package
Lead-through terminal for SPB, ASLTT-63			
	ASLTT-63	131784	12 / 120

SG59511





SG11009



SG11309



SPD-type T2 (Class C)

Max. Cont. Op. Volt. U_C	I_n (	Type Designation	Article No.	Units per package
Plug-in Surge Arrester SPPT2PA for Photovoltaic application				
For earthed systems				
600 V DC		SPPT2PA-600-2PE	132663	1 / 60
1000 V DC		SPPT2PA-1000-2PE	132664	1 / 60
with auxiliary switch				
1000 V DC		SPPT2PA-1000-2PE-AX	132666	1 / 60
For unearthed systems				
600 V DC		SPPT2PA-600-2+1PE	132661	1 / 40
1000 V DC		SPPT2PA-1000-2+1PE	132662	1 / 40
with auxiliary switch				
1000 V DC		SPPT2PA-1000-2+1PE-AX	132665	1 / 40
Inserts for replacement				
600 V DC	①	SPPT2PA-600	132667	1
1000 V DC	①	SPPT2PA-1000	132668	1
1100 V DC	②	SPPT2PA-1100	132669	1

$V_{OC} \leq U_c$: Open circuit voltage of PV-Generator shall be equal or less than maximum continuous operating voltage of Surge Protective Device (SPD) to prevent its damage.

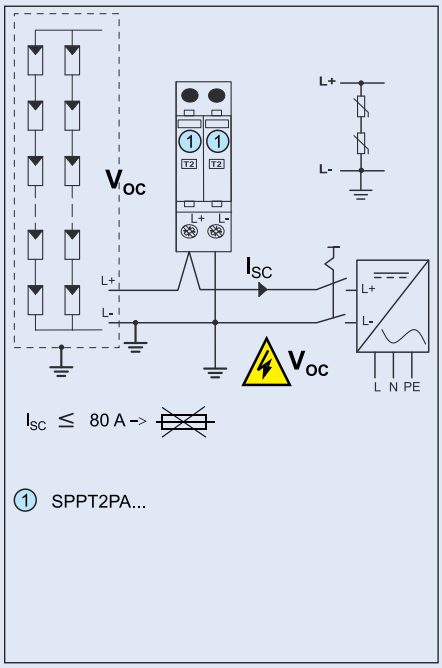
V_{OC} . . . . . .Open circuit voltage of PV-Generator.
U_C . . . . . .Maximum continuous operating voltage of SPD.

Attention: Even at switched off DC-Disconnector system stays under high voltage! Before mounting ensure de-energizing and check zero-potential.

Earthed system

SPPT2PA-600-2PE
SPPT2PA-1000-2PE(-AX)

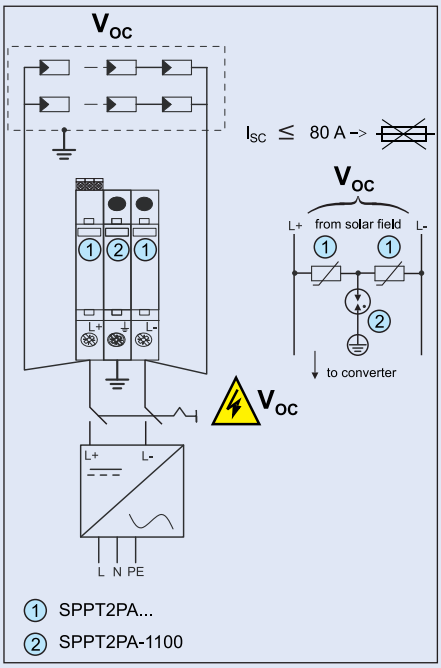
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Unearthed system

SPPT2PA-600-2+1PE
SPPT2PA-1000-2+1PE(-AX)

L- L+



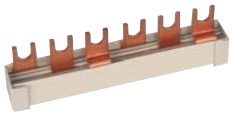
xPole

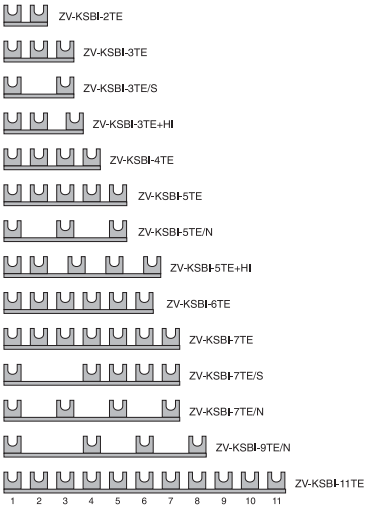
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Z-GV-U/9

WA_SG11202





Poles	Type Designation	Article No.	Units per package
Busbars Z-GV-U/ for SPI, SP-B+C			
2	Z-GV-U/2	272588	20 / 1200
3	Z-GV-U/3	272589	20 / 1200
4	Z-GV-U/4	274080	20 / 1200
5	Z-GV-U/5	274081	20 / 1200
6	Z-GV-U/6	274082	20 / 400
8	Z-GV-U/8	274083	20 / 200
9	Z-GV-U/9	274084	20 / 200
Busbar Z-GV-16/3P-3TE/6			
for SPI and SPC	Z-GV-16/3P-3TE/6	267511	12 / 240
Busbars ZV-KSBI for SPC			
2MU	ZV-KSBI-2TE	263961	10 / 600
3MU	ZV-KSBI-3TE	263962	10 / 600
3MU	ZV-KSBI-3TE/S	263963	10 / 600
2MU+1.5MU	ZV-KSBI-3TE+HI	112370	50 / 150
4MU	ZV-KSBI-4TE	263964	10 / 600
5MU	ZV-KSBI-5TE	263965	10 / 200
5MU	ZV-KSBI-5TE/N	263966	10 / 200
2MU+3x1.5MU	ZV-KSBI-5TE+HI	112371	50 / 150
6MU	ZV-KSBI-6TE	113118	50 / 500
7MU	ZV-KSBI-7TE	263967	50 / 500
7MU	ZV-KSBI-7TE/S	263968	10 / 100
7MU	ZV-KSBI-7TE/N	263969	10 / 100
9MU	ZV-KSBI-9TE/N	266874	50 / 500
11MU	ZV-KSBI-11TE	263970	50 / 500

Powering Business Worldwide

SPD Class D

U1602



SPD-S-1+1

PHASE OUT TYPE

Surge protective device SPD-S-1+1 for TN-, TT-systems (3-phase 4-wire)

Description	Type Designation	Article No.	Units per package
Complete device	SPD-S-1+1	248202	1 / 60
Insert N-PE	SPD-S-N/PE	248199	4 / 120
Insert L-N	SPD-S-L/N	248200	4 / 120
Base 1+1 2-pole	SPC-S-S2-1+1	248201	6 / 60
Auxiliary switch	SPC-S-HK	248203	8 / 80

PHASE OUT TYPE

Surge protective device SPD-S-280/2 for IT-, TT-systems (3-phase 3-wire)

Complete device	SPD-S-280/2	269088	1 / 60
Insert	SPD-S-280	269087	4 / 120
Base	SPC-S-S2	248168	6 / 60
Auxiliary switch	SPC-S-HK	248203	8 / 80

N00411



19" Multiple Outlet Strips NWS-STL/19/7F

7 outlets, DIN	NWS-STL/19/7F	255398	1
7 outlets, plus switch, DIN	NWS-STL/19/7F/S/BL	255399	1
7 outlets, UTE	NWS-STL/19/7F/UTE	290031	1

N00511



19" Surge Protection - Multiple Outlet Strips with Switch SPD-STL/19/7F-S/BL

7 outlets, plus switch, DIN	SPD-STL/19/7F-S/BL	283449	1
7 outlets, UTE	SPD-STL/19/7F-S/BL/UTE	290032	1

N04011



Surge Protection Multiple Outlet Strips with High-Range Filter and Energy Absorption for full Equipment Protection SPD-STL/6F-S

6 outlets, plus switch, DIN	SPD-STL/6F-S (68583)	130000	1
6 outlets, plus switch, DIN+ISDN	SPD-STL/6F-S/ISDN (68585)	147795	1
19" fixing bracket for SPD-STL/6F-S (1U)	NWS-HW/19/SPD-STL/6F-S	166364	1

Powering Business Worldwide

Earthing/Equipotential Bonding

SG07306



Equipotential Bonding Bar PAS-7x16

- For main equipotential bonding
- Earthing strip up to 30 x 3.5 / Round conductor 7 - 10 mm

Description	Type Designation	Article No.	Units per package
7 x 2.5 - 16 mm^2	PAS-7x16	107945	10 / 50

SG07206



Earthing Bar for Antenna Lines PAS-HF-6

- Earthing conductor 6 - 25 mm^2

Description	Type Designation	Article No.	Units per package
6 x HF-Cable shields	PAS-HF-6	107946	10 / 100

SG07406



Earth Clips EBS

- For copper and galvanized steel/stainless steel tubes
- Cross-section for connection 1 x 2.5 mm^2 to 2 x 16 mm^2

Description	Type Designation	Article No.	Units per package
Tube Ø 1/8" - 1½"	EBS-210mm	107947	20 / 80
Tube Ø 1/8" - 4"	EBS-430mm	107948	20 / 80

Powering Business Worldwide

Power Frequency Overvoltage Protective Device (POP Device)

- Monitoring of voltage between phase and neutral conductor, if voltage is too high coupled switchgear (main switch) trips
- Possible switchgear for coupling MCB and RCBO
- Single and 3-phase application possible
- Remote switch off possible
- Contact position indicator
- ON-OFF function with switching toggle
- Comprehensive range of accessories

SG41712, SG40711



Power Frequency Overvoltage Protective Device (POP Device)

SG41712



POP-270

- Monitoring of voltage between phase and neutral conductor, if voltage is too high coupled switchgear (main switch) trips
- For 3-phase application use 3 pcs. of POP-270

Rated Operational Voltage	Type Designation	Article No.	Units per package
230 V AC / 50 Hz	POP-270	131674	1 / 60

For accessories like Auxiliary Switch ZP-IHK and ZP-WHK, Tripping Signal Switch ZP-NHK, Shunt Trip Release ZP-ASA and Undervoltage Release Z-USA, Z-USD see page xx.

Controlling & Switching

– Switches
– Installation Contactors
– Relays
– Signalling Devices
– Transformers

SG10611



SG59411



SG83911



SG82911



SG84611



wa_sg04311



SG10611



SG10711



SG10811



SG10911



Main Load Disconnector Switch (Isolator) IS

Rated Current (A)	Poles	Type Designation	Article No.	Units per package
16	1	IS-16/1	276254	12 / 120
16	2	IS-16/2	276255	1 / 60
16	3	IS-16/3	276256	1 / 40
16	4	IS-16/4	276257	1 / 30
20	1	IS-20/1	276258	12 / 120
20	2	IS-20/2	276259	1 / 60
20	3	IS-20/3	276260	1 / 40
20	4	IS-20/4	276261	1 / 30
25	1	IS-25/1	276262	12 / 120
25	2	IS-25/2	276263	1 / 60
25	3	IS-25/3	276264	1 / 40
25	4	IS-25/4	276265	1 / 30
32	1	IS-32/1	276266	12 / 120
32	2	IS-32/2	276267	1 / 60
32	3	IS-32/3	276268	1 / 40
32	4	IS-32/4	276269	1 / 30
40	1	IS-40/1	276270	12 / 120
40	2	IS-40/2	276271	1 / 60
40	3	IS-40/3	276272	1 / 40
40	4	IS-40/4	276273	1 / 30
63	1	IS-63/1	276274	12 / 120
63	2	IS-63/2	276275	1 / 60
63	3	IS-63/3	276276	1 / 40
63	4	IS-63/4	276277	1 / 30
80	1	IS-80/1	276278	12 / 120
80	2	IS-80/2	276279	1 / 60
80	3	IS-80/3	276280	1 / 40
80	4	IS-80/4	276281	1 / 30
100	1	IS-100/1	276282	12 / 120
100	2	IS-100/2	276283	1 / 60
100	3	IS-100/3	276284	1 / 40
100	4	IS-100/4	276285	1 / 30
125	1	IS-125/1	276286	12 / 120
125	2	IS-125/2	276287	1 / 60
125	3	IS-125/3	276288	1 / 40
125	4	IS-125/4	276289	1 / 30

Accessories

Switching interlock without lock for Isolators, RCDs, combined RCD/MCBs, ...	IS/SPE-1TE	101911	5 / 30
Terminal cover	Z-IS/AK-1TE	276290	10 / 600

Circuit Breaker ZP-A

SG00912



Number of Poles	Rated Operational Current	Type Designation	Article No.	Units per package
1	40A	ZP-A40/1	248263	12 / 120
2	40A	ZP-A40/2	248264	1 / 60
3	40A	ZP-A40/3	248265	1 / 40
3+N	40A	ZP-A40/3N	248266	1 / 30
1	63A	ZP-A63/1	284906	12 / 120
2	63A	ZP-A63/2	284907	1 / 60
3	63A	ZP-A63/3	284908	1 / 40
3+N	63A	ZP-A63/3N	284909	1 / 30

Miniature Circuit Breakers (MCBs) for Auxiliary Circuits PLSM-B4/.-HS, CLS6-B4/..-HS

SG54312



Poles / Rated Breaking Capacity		Type Designation	Article No.	Units per package
1	10kA	PLSM-B4-HS	247221	2 / 120
2	10kA	PLSM-B4/2-HS	247222	1 / 60
1	6kA	CLS6-B4-HS	247969	2 / 120
1+N	6kA	CLS6-B4/1N-HS	247970	2 / 80
2	6kA	CLS6-B4/2-HS	247971	1 / 60

Pushbutton Z-T/

SG37112



Colour of Button	Function	Type Designation	Article No.	Units per package
green	4NO	Z-T/4S-G	248328	12 / 120
black	3NO+1NC	Z-T/3S1O	248330	12 / 120

Control Switch Z-S../

SG38912



Rated Current (A)	Function	Type Designation	Article No.	Units per package
16	3NO	Z-S/3S	248334	12 / 120
16	4NO	Z-S/4S	248335	12 / 120
16	2NO+2NC	Z-S/SSOO	248337	12 / 120
16	3NO+1NC	Z-S/3S1O	248338	12 / 120

Changeover Switch Z-S/.W

SG39012



Function		Type Designation	Article No.	Units per package
1CO	I-0-II	Z-S/WM	248345	12 / 120
2CO	I-0-II	Z-S/2WM	248346	12 / 120
1CO	DAY-0-NIGHT	Z-S/WTN	248347	12 / 120
2CO	DAY-0-NIGHT	Z-S/2WTN	248348	12 / 120

Switch Z-SW, Z-SWL

- Z-SWL: with LED
- 16 A 250 VAC

SG59911



Rated voltage LED	Function	Type Designation	Article No.	Units per package
–	1NO	Z-SW/S	276300	2 / 120
–	2NO	Z-SW/SS	276301	2 / 120
–	1NO+1NC	Z-SW/SO	276302	2 / 120
–	1CO	Z-SW/W	276303	2 / 120
24 V AC/DC	2NO	Z-SWL24/SS	276304	2 / 120
24 V AC/DC	1NO+1NC	Z-SWL24/SO	276305	2 / 120
230 V AC/DC	1NO	Z-SWL230/S	292300	2 / 120
230 V AC/DC	2NO	Z-SWL230/SS	276306	2 / 120
230 V AC/DC	1NO+1NC	Z-SWL230/SO	276307	2 / 120

Additional LED colours, voltages and contact functions upon enquiry.

wa_sg02512



Z-EK/25

Busbar block

1-pole straight grey 10mm^2	Z-SV-10/1P-F/13	264918	10
1-pole straight blue 10mm^2	Z-SV-10/N-F/13	264919	10
1-pole straight grey 16mm^2	Z-SV-16/1P-1TE/F	269523	25
1-pole straight blue 16mm^2	Z-SV-16/N-1TE/F	269524	25
Extension terminal 25mm^2 long, straight	Z-EK/25	264935	10 / 600
Extension terminal 25mm^2 short, straight	Z-EK/25/K	269525	10 / 600
Extension terminal 25mm^2 long, crosswise	Z-EK/25/QL	264937	10 / 600
Extension terminal 25mm^2 short, crosswise	Z-EK/25/Q	264936	10 / 600

Powering Business Worldwide

SG59211



Z-BEL/R230

Signal Lamps

Rated voltage	LED colour	Type Designation	Article No.	Units per package
Single Lamp Z-EL				
24 V AC/DC	orange	Z-EL/OR24	275444	2 / 120
24 V AC/DC	white	Z-EL/WH24	107493	2 / 120
230 V AC/DC	red	Z-EL/R230	284921	2 / 120
230 V AC/DC	green	Z-EL/G230	284922	2 / 120
230 V AC/DC	orange	Z-EL/OR230	275865	2 / 120
230 V AC/DC	blue	Z-EL/BL230	103131	2 / 120
230 V AC/DC	white	Z-EL/WH230	107494	2 / 120
Twin Lamp Z-DLD				
2 x 24 V AC/DC	red + green	Z-DLD/2/24	284926	2 / 120
2 x 230 V AC/DC	red + green	Z-DLD/2/230	284925	2 / 120
2 x 24 V AC/DC	white + white	Z-DLD/WH24	108897	2 / 120
2 x 230 V AC/DC	white + white	Z-DLD/WH230	108898	2 / 120
Universal Single Lamp - changeover function Z-UEL				
24 V AC/DC	red/green	Z-UEL24	284924	2 / 120
230 V AC/DC	red/green	Z-UEL230	284923	2 / 120
Universal Twin Lamp - changeover function Z-UDL				
2 x 24 V AC/DC	red/green	Z-UDL24	284928	2 / 120
2 x 230 V AC/DC	red/green	Z-UDL230	284927	2 / 120
Signal Lamp - with integrated flash function Z-BEL				
24 V AC/DC	red	Z-BEL/R24	284931	2 / 120
24 V AC/DC	green	Z-BEL/G24	284932	2 / 120
230 V AC/DC	red	Z-BEL/R230	284929	2 / 120
230 V AC/DC	green	Z-BEL/G230	284930	2 / 120

SG59811



Pushbutton Unit Z-PU, Z-PUL

- Z-PUL: with LED
- 16 A 250 VAC

Rated voltage LED	Function	Type Designation	Article No.	Units per package
–	1NO	Z-PU/S	276291	2 / 120
–	2NO	Z-PU/SS	276292	2 / 120
–	1NO+1NC	Z-PU/SO	276293	2 / 120
–	2NC	Z-PU/OO	276294	2 / 120
24 V AC/DC	2NO	Z-PUL24/SS	276295	2 / 120
24 V AC/DC	1NO+1NC	Z-PUL24/SO	276296	2 / 120
230 V AC/DC	2NO	Z-PUL230/SS	276297	2 / 120
230 V AC/DC	1NO+1NC	Z-PUL230/SO	276298	2 / 120
230 V AC/DC	2NC	Z-PUL230/OO	276299	2 / 120

Rotary Switch Z-DS

SG85211



Z-DSU1-102

SG85311



Z-DSA2-01-SL

Function/Switching Position		Type Designation	Article No.	Units per package
1pole OFF	0 - 1	Z-DSA1-01	248868	1 / 40
1pole CHANGE	1 - 0 - 2	Z-DSU1-102	248869	1 / 40
1pole CHANGE	HA - 0 - AU	Z-DSU1-H0A	248870	1 / 40
1pole CHANGE	TA - 0 - NA	Z-DSU1-T0N	248871	1 / 40
2pole OFF	0 - 1	Z-DSA2-01	248872	1 / 40
2pole OFF	0 - 1	Z-DSA2-01-SL	248873	1 / 40
2pole CHANGE	1 - 2	Z-DSU2-12	248874	1 / 40
2pole CHANGE	1 - 0 - 2	Z-DSU2-102	248875	1 / 40
2pole CHANGE	HA - 0 - AU	Z-DSU2-H0A	248876	1 / 40
3pole CHANGE	1 - 0 - 2	Z-DSU3-102	248877	1 / 40
Voltmeter L-N	L1 - N...	Z-DSV-LN	248878	1 / 40
Voltmeter L-L	L1 - L2...	Z-DSV-LL	248879	1 / 40
Voltmeter L+N	L1 - N3...	Z-DSV-LLLN	248880	1 / 40
Amperemeter	0-1-2-3	Z-DSAM-0123	129712	1 / 40

Relay for low-level signals RE

- electronic relay
- 2 relays for separate energizing with one changeover contact each relay per frame

SG83411



Control Voltage	Function	MU	Type Designation	Article No.	Units per package
24-230V AC/DC	1CO+1CO	1	RELLVA	120854	1 / 40
24-230V AC/DC	1CO+1CO	1	REHLVA	120855	1 / 40
24-230V AC/DC	1CO+1CO	1	REMLVA	120856	1 / 40

EATON Powering Business Worldwide

SG12211



Z-R12/S

SG60411



Z-R230/2S2O

Installation Relays Z-R., Z-TN

Type Z-R

- with manual operation
- 20 A 250 VAC AC1

Control Voltage/Function/MU			Type Designation	Article No.	Units per package
240 V 50Hz	2NO	1	Z-R240/SS	285525	2 / 120
240 V 60Hz	2NO	1	Z-R241/SS	265166	2 / 120
240 V 60Hz	2NC	1	Z-R241/SO	265179	2 / 120
230 V 50Hz	1NO	1	Z-R230/S	265149	2 / 120
230 V 50Hz	2NO	1	Z-R230/SS	265168	2 / 120
230 V 50Hz	4NO	2	Z-R230/4S	265226	1 / 60
230 V 50Hz	1NO+1NC	1	Z-R230/SO	265181	2 / 120
230 V 50Hz	2NO+2NC	2	Z-R230/2S2O	265215	1 / 60
230 V 50Hz	3NO+1NC	2	Z-R230/3S1O	265221	1 / 60
230 V 50Hz	2NC	1	Z-R230/OO	265188	2 / 120
230 V 50Hz	4NC	2	Z-R230/4O	265228	1 / 60
230 V 60Hz	2NO	1	Z-R231/SS	265167	2 / 120
230 V 60Hz	1NO+1NC	1	Z-R231/SO	265180	2 / 120
110 V 50Hz	2NO	1	Z-R110/SS	265170	2 / 120
110 V 50Hz	2NO+2NC	2	Z-R110/2S2O	265216	1 / 60
110 V 50Hz	3NO+1NC	2	Z-R110/3S1O	265222	1 / 60
110 V 60Hz	2NO	1	Z-R111/SS	265169	2 / 120
110 V DC	2NO	1	Z-R109/SS	265171	2 / 120
110 V DC	1NO+1NC	1	Z-R109/SO	265182	2 / 120
110 V DC	2NO+2NC	2	Z-R109/2S2O	265217	1 / 60
110 V DC	3NO+1NC	2	Z-R109/3S1O	265223	1 / 60
48 V 50Hz	2NO	1	Z-R48/SS	265172	2 / 120
24 V 50Hz	1NO	1	Z-R24/S	265160	2 / 120
24 V 50Hz	2NO	1	Z-R24/SS	265173	2 / 120
24 V 50Hz	4NO	2	Z-R24/4S	265227	1 / 60
24 V 50Hz	1NO+1NC	1	Z-R24/SO	265183	2 / 120
24 V 50Hz	2NO+2NC	2	Z-R24/2S2O	265218	1 / 60
24 V 50Hz	3NO+1NC	2	Z-R24/3S1O	265224	1 / 60
24 V 50Hz	2NC	1	Z-R24/OO	265189	2 / 120
24 V 50Hz	4NC	2	Z-R24/4O	265229	1 / 60
24 V 60Hz	2NO	1	Z-R25/SS	248368	2 / 120
24 V DC	1NO	1	Z-R23/S	265161	2 / 120
24 V DC	2NO	1	Z-R23/SS	265174	2 / 120
24 V DC	1NO+1NC	1	Z-R23/SO	265184	2 / 120
24 V DC	2NO+2NC	2	Z-R23/2S2O	265219	1 / 60
24 V DC	4NC	2	Z-R23/4O	101910	1 / 60
12 V 50Hz	1NO	1	Z-R12/S	265162	2 / 120
12 V 50Hz	2NO	1	Z-R12/SS	265175	2 / 120
12 V 50Hz	1NO+1NC	1	Z-R12/SO	265185	2 / 120
12 V 50Hz	2NO+2NC	2	Z-R12/2S2O	265220	1 / 60
12 V 50Hz	3NO+1NC	2	Z-R12/3S1O	265225	1 / 60
12 V DC	1NO	1	Z-R11/S	265163	2 / 120
12 V DC	2NO	1	Z-R11/SS	265176	2 / 120
12 V DC	1NO+1NC	1	Z-R11/SO	265186	2 / 120
12 V DC	2NC	1	Z-R11/OO	290198	2 / 120
8 V 50Hz	1NO	1	Z-R8/S	265164	2 / 120
8 V 50Hz	2NO	1	Z-R8/SS	265177	2 / 120
8 V 50Hz	1NO+1NC	1	Z-R8/SO	265187	2 / 120
8 V DC	1NO	1	Z-R7/S	265165	2 / 120
8 V DC	2NO	1	Z-R7/SS	265178	2 / 120

SG59411



Z-RE24/S

Type Z-RE

- with LED, without manual operation
- 20 A 250 VAC —/—

Control Voltage/Function/MU			Type Designation	Article No.	Units per package
230 V 50Hz	1NO	1	Z-RE230/S	265190	2 / 120
230 V 50Hz	2NO	1	Z-RE230/SS	265193	2 / 120
230 V 50Hz	1NO+1NC	1	Z-RE230/SO	265197	2 / 120
230 V 50Hz	2NO+2NC	2	Z-RE230/2S2O	265230	1 / 60
230 V 50Hz	3NO+1NC	2	Z-RE230/3S1O	265235	1 / 60
24 V 50Hz	1NO	1	Z-RE24/S	265191	2 / 120
24 V 50Hz	2NO	1	Z-RE24/SS	265194	2 / 120
24 V 50Hz	1NO+1NC	1	Z-RE24/SO	265198	2 / 120
24 V 50Hz	2NO+2NC	2	Z-RE24/2S2O	265231	1 / 60
24 V 50Hz	3NO+1NC	2	Z-RE24/3S1O	265236	1 / 60
24 V DC	1NO	1	Z-RE23/S	265192	2 / 120
24 V DC	2NO	1	Z-RE23/SS	265195	2 / 120
24 V DC	1NO+1NC	1	Z-RE23/SO	265199	2 / 120
24 V DC	2NO+2NC	2	Z-RE23/2S2O	265232	1 / 60
12 V 50Hz	2NO+2NC	2	Z-RE12/2S2O	265233	1 / 60
12 V 50Hz	3NO+1NC	2	Z-RE12/3S1O	265237	1 / 60
12 V DC	2NO+2NC	2	Z-RE11/2S2O	265234	1 / 60
8 V 50Hz	2NO	1	Z-RE8/SS	265196	2 / 120

SG59111



Z-RK230/SS

Type Z-RK

- with manual operation and LED
- 20 A 250 VAC —/⊢ AC1

230 V 60Hz	2NO	1	Z-RK241/SS	265202	2 / 120
230 V 60Hz	2NC	1	Z-RK241/SO	265207	2 / 120
230 V 50Hz	1NO	1	Z-RK230/S	265200	2 / 120
230 V 50Hz	2NO	1	Z-RK230/SS	265203	2 / 120
230 V 50Hz	1NO+1NC	1	Z-RK230/SO	265208	2 / 120
230 V 50Hz	2NO+2NC	2	Z-RK230/2S2O	265238	1 / 60
230 V 50Hz	3NO+1NC	2	Z-RK230/3S1O	265241	1 / 60
230 V 50Hz	2NC	1	Z-RK230/OO	265213	2 / 120
110 V DC	2NO	1	Z-RK109/SS	265204	2 / 120
24 V 50Hz	1NO	1	Z-RK24/S	265201	2 / 120
24 V 50Hz	2NO	1	Z-RK24/SS	265205	2 / 120
24 V 50Hz	1NO+1NC	1	Z-RK24/SO	265209	2 / 120
24 V 50Hz	2NO+2NC	2	Z-RK24/2S2O	265239	1 / 60
24 V 50Hz	3NO+1NC	2	Z-RK24/3S1O	265242	1 / 60
24 V 50Hz	2NC	1	Z-RK24/OO	265214	2 / 120
24 V DC	2NO	1	Z-RK23/SS	265206	2 / 120
24 V DC	1NO+1NC	1	Z-RK23/SO	265210	2 / 120
24 V DC	2NO+2NC	2	Z-RK23/2S2O	271464	1 / 60
12 V 50Hz	1NO+1NC	1	Z-RK12/SO	265211	2 / 120
12 V 50Hz	2NO+2NC	2	Z-RK12/2S2O	265240	1 / 60
12 V 50Hz	3NO+1NC	2	Z-RK12/3S1O	265243	1 / 60
8 V 50Hz	1NO+1NC	1	Z-RK8/SO	265212	2 / 120

Other control voltages, frequencies, and contact functions upon enquiry.

SG59711



Z-TN230/SO

SG60111



Z-TN230/3S

Type Z-TN

- with manual pre-selection of functions - permanently ON / AUTOM / OFF
- 20 A 250 VAC —/—

230 V 50Hz	2NO	1	Z-TN230/SS	265574	2 / 120
230 V 50Hz	3NO	2	Z-TN230/3S	265576	1 / 60
230 V 50Hz	4NO	2	Z-TN230/4S	265579	1 / 60
230 V 50Hz	1NO+1NC	1	Z-TN230/1S1O	267975	2 / 120
230 V 50Hz	2NO+2NC	2	Z-TN230/2S2O	103168	1 / 60
24 V 50Hz	2NO	1	Z-TN24/SS	267976	2 / 120
24 V 50Hz	3NO	2	Z-TN24/3S	267977	1 / 60
24 V 50Hz	4NO	2	Z-TN24/4S	267978	1 / 60
24 V 50Hz	1NO+1NC	1	Z-TN24/1S1O	267979	2 / 120

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wa_sg02512



Z-EK/25

Accessories			
Spacer 0.5 MU	Z-DST	248949	10
Busbar block for Impulse Relays, Relays, Control and Switching Devices (Series Z-PU, Z-SW)			
1-pole straight grey 10mm^2	Z-SV-10/1P-F/13	264918	10
1-pole straight blue 10mm^2	Z-SV-10/N-F/13	264919	10
1-pole straight grey 16mm^2	Z-SV-16/1P-1TE/F	269523	25
1-pole straight blue 16mm^2	Z-SV-16/N-1TE/F	269524	25
Extension terminal 25mm^2 long, straight	Z-EK/25	264935	10 / 600
Extension terminal 25mm^2 short, straight	Z-EK/25/K	269525	10 / 600
Extension terminal 25mm^2 long, crosswise	Z-EK/25/QL	264937	10 / 600
Extension terminal 25mm^2 short, crosswise	Z-EK/25/Q	264936	10 / 600

Installation Contactors Z-SCH/CMUC

Installation Contactors Z-SCH

U_s / I_n AC1 / Function			Type Designation	Article No.	Units per package
230VAC	25A	2NO	Z-SCH230/1/25-20	120853	2 / 120
230VAC	25A	4NO	Z-SCH230/25-40	248847	1 / 60
230VAC	25A	4NC	Z-SCH230/25-04	248848	1 / 60
230VAC	25A	3NO+1NC	Z-SCH230/25-31	248846	1 / 60
230VAC	25A	2NO+2NC	Z-SCH230/25-22	248849	1 / 60
24VAC	25A	4NO	Z-SCH24/25-40	248851	1 / 60
24VAC	25A	2NO+2NC	Z-SCH24/25-22	248850	1 / 60
230VAC	40A	4NO	Z-SCH230/40-40	248852	1 / 40
230VAC	40A	3NO+1NC	Z-SCH230/40-31	248854	1 / 40
230VAC	40A	2NO+2NC	Z-SCH230/40-22	248853	1 / 40
230VAC	40A	2NO	Z-SCH230/40-20	248855	1 / 40
230VAC	63A	4NO	Z-SCH230/63-40	248856	1 / 40
230VAC	63A	4NC	Z-SCH230/63-04	285735	1 / 40
230VAC	63A	3NO+1NC	Z-SCH230/63-31	248858	1 / 40
230VAC	63A	2NO+2NC	Z-SCH230/63-22	248857	1 / 40
230VAC	63A	2NO	Z-SCH230/63-20	248859	1 / 40

SG84611



Z-SCH230/25-40

SG84711



Z-SCH230/63-40

Installation Contactors CMUC

- Universal Control Voltage U_c AC/DC

U_c / I_n AC1 / Function			Type Designation	Article No.	Units per package
230V AC/DC	25A	4NO	CMUC230/25-40	137309	1 / 60
230V AC/DC	25A	4NC	CMUC230/25-04	137405	1 / 60
230V AC/DC	25A	3NO+1NC	CMUC230/25-31	137401	1 / 60
230V AC/DC	25A	2NO+2NC	CMUC230/25-22	137403	1 / 60
24V AC/DC	25A	4NO	CMUC24/25-40	137308	1 / 60
24V AC/DC	25A	4NC	CMUC24/25-04	137404	1 / 60
24V AC/DC	25A	3NO+1NC	CMUC24/25-31	137400	1 / 60
24V AC/DC	25A	2NO+2NC	CMUC24/25-22	137402	1 / 60

SG28812



CMUC230/25-40

Accessories suitable for Z-SCH / CMUC

Sealing cover	(25A)	Z-SCHAK-2TE	248860	10
Sealing cover	(40, 63A)	Z-SCHAK-3TE	248861	10
Auxiliary switch	1NO+1NC	Z-SC	248862	3
Spacer	(0.5 MU)	Z-DST	248949	10
Suppressor RC-Combination 12-250 VAC		Z-RC/230	101428	2 / 120

SG84311



Z-SC

SG59611



Z-S230/SO

Impulse Relays Z-S

- 16 A 250 VAC

Control Voltage/Function/MU			Type Designation	Article No.	Units per package
240 V 50Hz	1NO	1	Z-S240/S	265261	2 / 120
240 V 50Hz	2NO	1	Z-S240/SS	265269	2 / 120
240 V 50Hz	1NO+1NC	1	Z-S240/SO	265282	2 / 120
240 V 50Hz	2NO+2NC	2	Z-S240/2S2O	265304	1 / 60
240 V 50Hz	1CO	1	Z-S240/W	265289	2 / 120
240 V 50Hz	2CO	2	Z-S240/WW	265311	1 / 60
240 V 60Hz	2NO	1	Z-S241/SS	265268	2 / 120
230 V 50Hz	1NO	1	Z-S230/S	265262	2 / 120
230 V 50Hz	2NO	1	Z-S230/SS	265271	2 / 120
230 V 50Hz	4NO	2	Z-S230/4S	270335	1 / 60
230 V 50Hz	1NO+1NC	1	Z-S230/SO	265283	2 / 120
230 V 50Hz	2NO+2NC	2	Z-S230/2S2O	265305	1 / 60
230 V 50Hz	1CO	1	Z-S230/W	265290	2 / 120
230 V 50Hz	2CO	2	Z-S230/WW	265312	1 / 60
230 V 60Hz	2NO	1	Z-S231/SS	265270	2 / 120
110 V 50Hz	1NO	1	Z-S110/S	265263	2 / 120
110 V 50Hz	2NO	1	Z-S110/SS	265273	2 / 120
110 V 50Hz	1NO+1NC	1	Z-S110/SO	265284	2 / 120
110 V 50Hz	2NO+2NC	2	Z-S110/2S2O	265306	1 / 60
110 V 50Hz	1CO	1	Z-S110/W	265291	2 / 120
110 V 50Hz	2CO	2	Z-S110/WW	265313	1 / 60
110 V 60Hz	2NO	1	Z-S111/SS	265272	2 / 120
110 V DC	2NO	1	Z-S109/SS	265274	2 / 120
110 V DC	1CO	1	Z-S109/W	265292	2 / 120
110 V DC	2CO	2	Z-S109/WW	265314	1 / 60
48VAC/24VDC*)	1NO	1	Z-S48/S	265534	2 / 120
48VAC/24VDC*)	2NO	1	Z-S48/SS	265536	2 / 120
48VAC/24VDC*)	4NO	2	Z-S48/4S	100665	1 / 60
48VAC/24VDC*)	1NO+1NC	1	Z-S48/SO	265538	2 / 120
48VAC/24VDC*)	2NO+2NC	2	Z-S48/2S2O	265540	1 / 60
48VAC/24VDC*)	1CO	1	Z-S48/W	265544	2 / 120
48VAC/24VDC*)	2CO	2	Z-S48/WW	265542	1 / 60
24VAC/12VDC*)	1NO	1	Z-S24/S	265535	2 / 120
24VAC/12VDC*)	2NO	1	Z-S24/SS	265537	2 / 120
24VAC/12VDC*)	1NO+1NC	1	Z-S24/SO	265539	2 / 120
24VAC/12VDC*)	2NO+2NC	2	Z-S24/2S2O	265541	1 / 60
24VAC/12VDC*)	1CO	1	Z-S24/W	265545	2 / 120
24VAC/12VDC*)	2CO	2	Z-S24/WW	265543	1 / 60
24 V 60Hz	2NO	1	Z-S25/SS	265276	2 / 120
12 V 50Hz	1NO	1	Z-S12/S	265266	2 / 120
12 V 50Hz	2NO	1	Z-S12/SS	265278	2 / 120
12 V 50Hz	1NO+1NC	1	Z-S12/SO	265287	2 / 120
12 V 50Hz	2NO+2NC	2	Z-S12/2S2O	265309	1 / 60
12 V 50Hz	1CO	1	Z-S12/W	265296	2 / 120
12 V 50Hz	2CO	2	Z-S12/WW	265317	1 / 60
8 V 50Hz	1NO	1	Z-S8/S	265267	2 / 120
8 V 50Hz	2NO	1	Z-S8/SS	265280	2 / 120
8 V 50Hz	1NO+1NC	1	Z-S8/SO	265288	2 / 120
8 V 50Hz	2NO+2NC	2	Z-S8/2S2O	265310	1 / 60
8 V 50Hz	1CO	1	Z-S8/W	265297	2 / 120
8 V 50Hz	2CO	2	Z-S8/WW	265318	1 / 60
8 V DC	2NO	1	Z-S7/SS	265281	2 / 120
8 V DC	1CO	1	Z-S7/W	265298	2 / 120
8 V DC	2CO	2	Z-S7/WW	265319	1 / 60

*) Double voltage AC/DC

Powering Business Worldwide

SG69011



Z-SC230/S

Control Voltage/Function/MU			Type Designation	Article No.	Units per package
With central control Z-SC					
240 V AC 50/60Hz	3NO	2	Z-SC240/3S	265320	1 / 60
240 V AC 50/60Hz	1NO+1CO	2	Z-SC240/1S1W	265323	1 / 60
240 V AC 50/60Hz	2NO+1NC	2	Z-SC240/2S1O	265326	1 / 60
230 V AC 50/60Hz	1NO	1	Z-SC230/S	265299	2 / 120
230 V AC 50/60Hz	3NO	2	Z-SC230/3S	265321	1 / 60
230 V AC 50/60Hz	1NO+1CO	2	Z-SC230/1S1W	265324	1 / 60
230 V AC 50/60Hz	2NO+1NC	2	Z-SC230/2S1O	265327	1 / 60
110 V AC 50/60Hz	3NO	2	Z-SC110/3S	265322	1 / 60
110 V AC 50/60Hz	1NO+1CO	2	Z-SC110/1S1W	265325	1 / 60
110 V AC 50/60Hz	2NO+1NC	2	Z-SC110/2S1O	265328	1 / 60
24 V AC 50/60Hz	1NO	1	Z-SC24/S	265300	2 / 120
With switchable LED Z-SB					
230 V 50Hz	2NO	1	Z-SB230/SS	265301	2 / 120
24 V 50Hz	2NO	1	Z-SB24/SS	265302	2 / 120
24 V DC	2NO	1	Z-SB23/SS	265303	2 / 120

Other control voltages, frequencies, and contact arrangements upon enquiry.

SG69111



Z-SB230/SS

SG59011



Z-S/KO

Accessories for Z-S./.				
Compensator	1	Z-S/KO	270588	2 / 120
Group block	1	Z-SC/GP	270587	2 / 120

wa_sg02512



Z-EK/25

Busbar block				
1-pole straight grey 10mm²		Z-SV-10/1P-F/13	264918	10
1-pole straight blue 10mm²		Z-SV-10/N-F/13	264919	10
1-pole straight grey 16mm²		Z-SV-16/1P-1TE/F	269523	25
1-pole straight blue 16mm²		Z-SV-16/N-1TE/F	269524	25
Extension terminal 25mm² long, straight		Z-EK/25	264935	10 / 600
Extension terminal 25mm² short, straight		Z-EK/25/K	269525	10 / 600
Extension terminal 25mm² long, crosswise		Z-EK/25/QL	264937	10 / 600
Extension terminal 25mm² short, crosswise		Z-EK/25/Q	264936	10 / 600

Staircase Switch with switch-off warning and stop function TL

SG07312



Function	Type Designation	Article No.	Units per package
Staircase switch with switch-off warning and stop function	TLE	101064	2 / 120
Staircase switch as TLE, with additional control input for central control, zero-voltage proof	TLK	101066	2 / 120

Time-Lag Relay ZR

SG07412



ZRMF1/W

SG07912



ZRMF2/WW

Function	Contacts	Type Designation	Article No.	Units per package
E, R	1CO	ZRER/W	110405	2 / 120
E, R, Ws, Wa, Es, Wu, Bp	1CO	ZRMF1/W	110406	2 / 120
E, R, Ws, Wa, Es, Wu, Bp	2CO	ZRMF2/WW	110408	1 / 60
Ip, Ii	1CO	ZRTAK/W	110747	2 / 120

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Undervoltage Relay REUVM

- Optical indication
  Power...green LED
  Fault in phases L1, L2, L3...red LED is flashing
  Loss of Neutral conductor N...green Power LED is flashing
- Single phase application is possible

SG83511

Switching Voltage	/ U_N / Kontakte	Type Designation	Article No.	Units per package
U_N x 0,85	230/400 VAC 1CO	REUVM	148598	1
U_N x 0,85	230/400 VAC 2CO	REUVM2	167284	1

Voltage indication UVA

- Optical indication
  Voltage of phases L1, L2, L3 is indicated with green LED's even at loss of Neutral conductor N
- Single-phase application, or even possible to use DC

SG00112



Rated operational voltage	Type Designation	Article No.	Units per package
230/400 VAC 50/60Hz	UVA	167285	1

Load Shedding (Current) Relay Z-LAR/

SG78711



Function/Op. Current Range (A)		Type Designation	Article No.	Units per package
NC	3-8	Z-LAR/8-O	248256	1 / 60
NC	10-16	Z-LAR/16-O	248257	1 / 60
NC	15-32	Z-LAR/32-O	248258	1 / 60
NO	3-8	Z-LAR/8-S	248259	1 / 60
NO	10-16	Z-LAR/16-S	248260	1 / 60
NO	15-32	Z-LAR/32-S	248261	1 / 60
CO	3-8	Z-LAR/8-W	248262	1 / 60

Bio-Switch FFS/16

SG08012



	Type Designation	Article No.	Units per package
Bio-Switch	FFS/16	107325	1 / 60

SG09708



Accessories

PHASE OUT

Base load resistor for FFS/16	Z-NKA-SCH	120890	1 / 12

xPole

Powering Business Worldwide

Timers digital TSDW...

SG84011



PHASE OUT

Drive	Program	Channels	Type Designation	Article No.	Units per package
Quartz	Week	1 chan.	TSDW1CO	167379	1
Quartz	Week	2 chan.	TSDW2CO	167380	1
DCF/GPS	Week	1 chan.	TSDW1CODG	167382	1
Quartz	Week	1 chan.	TSDW1COMIN	167383	1
Quarz	Day	1 chan.	SA-TD/1W	111450	1

Accessories

DCF antenna for timers digital TSDW1CODG	TSADCF	167384	1
GPS antenna with power supply for TSDW1CODG	TSAGPSKIT	167385	1
PC Set + memory card for SRCD1CO, TSDW1CO, TSDW2CO, TSDW1COA, TSDW1CODG	TSAMEMKIT	167386	1
Memory card	TSAMEM	167387	1

PHASE OUT TYPE

Timers digital Z-SDM

SG2302



Z-SDM/1K-WO

Drive	Program	Channels	Type Designation	Article No.	Units per package
Digital					
Quartz	Day	1 chan.	Z-SDM/1K-TA	248210	1 / 60
Quartz	Week	1 chan.	Z-SDM/1K-WO	248211	1 / 60
Quartz	Week	2 chan.	Z-SDM/2K-WO	248212	1 / 60

Accessories

Terminal cover 2MU	Z7-SDM/AK-2TE	850000317	6
Mounting plate 2MU	Z7-SDM/MP-2TE	850000318	24

Astronomical Timer TSDW1COA, SA-TD/1W

SG84011



PHASE OUT

Drive	Programme	Channels	Type Designation	Article No.	Units per package
Astronomical, digital					
Quartz	Week	1 chan.	TSDW1COA	167381	1
Quartz	Day	1 chan.	SA-TD/1W	111450	1 / 40

Timers analogue TS...

SG83911



Drive	Program	Channels	Type Designation	Article No.	Units per package
Quarz	Day	1 chan.	TSQD1NO	167388	1
Synchron.	Day	1 chan.	TSSD1NO	167389	1
Quarz	Day	1 chan.	TSQD1CO	167390	1
Synchron.	Day	1 chan.	TSSD1CO	167391	1
Quarz	Week	1 chan.	TSQW1CO	167392	1

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PHASE OUT TYPE

Timers analogue SU-T

Drive	Programme	Channels	Type Designation	Article No.	Units per package
Analogue					
Synchron.	Day	1 chan.	SU-TS/TA	111442	1 / 120
Synchron.	Day	1 chan.	SU-TS/1W-TA	111443	1 / 40
Synchron.	Week	1 chan.	SU-TS/WO	111444	1 / 40
Quartz	Day	1 chan.	SU-TQ/TA	111445	1 / 120
Quartz	Day	1 chan.	SU-TQ/1W-TA	111446	1 / 40
Quartz	Week	1 chan.	SU-TQ/1W-WO	111447	1 / 40
Quartz	Week	2 chan.	SU-TQ/2W-TW	111448	1 / 40

SG12107



SU-TQ/1W-TA

SG12407



SU-TQ/TA

Light Intensity Switch SR...

Switching contact	Light intensity	Type Designation	Article No.	Units per package
1NO	2-100 Lux	SRSD1NO	167375	1
1NO	2-2000 Lux	SRSW1NO	167376	1
1NO	with timer	SRCD1CO	167377	1
1CO	2-50000 Lux	SRSD1COW	167378	1

SG84111



PHASE OUT TYPE

Light Intensity Switch for wall mounting DS-TA, DS-TD

Switching contact	Light intensity	Type Designation	Article No.	Units per package
1NO	5 - 200 Lux	DS-TA/WA	111454	1 / 40
1NO	2 - 2000 Lux	DS-TA/VWA	111455	1 / 40
1NO + watch	2 - 200 Lux	DS-TD/WA	111456	1 / 40

SG11107



DS-TA/WA

SG11207



DS-TD/WA

PHASE OUT TYPE

Light Intensity Switch for support rail assembly DS-TA, DS-TD

Switching contact	Light intensity	Type Designation	Article No.	Units per package
1NO	2 - 100 Lux	DS-TA/1S	111451	1 / 40
1CO	2 - 2000 Lux	DS-TA/1W	111452	1 / 40
1CO + watch	2 - 2000 Lux	DS-TD/1W	111453	1 / 40

Accessories

Spare Built-in Light Sensor	Z-DS/S-E	111457	1 / 40
Spare External Light Sensor	Z-DS/S-A	111458	1 / 40

SG11807



DS-TA/1S

SG11607



DS-TD/1W

SG47412



Z-DS/S-A

xPole

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PHASE OUT TYPE

SG2402



Z-LMS

Light Intensity Switch Z.-LMS

	Type Designation	Article No.	Units per package
Support rail assembly	Z-LMS	248218	1

Accessories

Spare sensor for Z-LMS	Z7-LMS/SENSOR	850000754	1 / 6
Terminal cover 2MU	Z7-SDM/AK-2TE	850000317	2
Mounting plate 2MU	Z7-SDM/MP-2TE	850000318	24

Powering Business Worldwide

xSystem EASY Control Relay

EASY Control Relay

230 V AC, Display

wa_sg03211, wa_sg02511



Inputs	Outputs	Type Designation	Article No.	Units per package
8 x 230 V AC	4 x Relay 8A	EASY512-AC-RC	274104	1
12 x 230 V AC	6 x Relay 8A	EASY719-AC-RC	274115	1
12 x 230 V AC	6 x Relay 8A	EASY819-AC-RC	256267	1

24 V DC, Display, Analog Value Processing

wa_sg02811, wa_sg02611



Inputs	Outputs	Type Designation	Article No.	Units per package
8 x 24 V DC	4 x Relay 8A	EASY512-DC-RC	274109	1
8 x 24 V DC	4 x Transistor	EASY512-DC-TC	274111	1
12 x 24 V DC	6 x Relay 8A	EASY719-DC-RC	274119	1
12 x 24 V DC	8 x Transistor	EASY721-DC-TC	274121	1
12 x 24 V DC	6 x Relay 8A	EASY819-DC-RC	256269	1
12 x 24 V DC	8 x Transistor	EASY821-DC-TC	256273	1

EASY Multifunction Display - MFD

230 V AC, Graphical Display, Degree of Protection IP66

wa_sg02411



	Type Designation	Article No.	Units per package
LCD-display, 80 mm, with keys	MFD-80-B	265251	1
CPU power supply for MFD, AC 230V inputs, relay outputs	MFD-AC-CP8-NT	274092	1
	MFD-AC-R16	274093	1

24 V DC, Graphical Display, Degree of Protection IP66

wa_sg02411



	Type Designation	Article No.	Units per package
LCD-display, 80 mm, with keys	MFD-80-B	265251	1
	MFD-CP8-NT	265253	1
CPU power supply for MFD, DC	MFD-R16	265254	1
Inputs 24 V DC, relay outputs	MFD-T16	265255	1
Inputs 24 V DC, transistor outputs	MFD-RA17	265364	1
Inputs 24 V DC, relay outputs, analog	MFD-TA17	265256	1
Inputs 24 V DC, transistor outputs, analog			

Accessories for EASY and MFD

	Type Designation	Article No.	Units per package
Operating and programming software	EASY-SOFT-BASIC	284545	1
Operating and programming software incl. graphic editor	EASY-SOFT-PRO	266040	1
USB-PC programming cable easy400 to easy700	EASY-USB-CAB	107926	1
USB-PC programming cable easy800 and multifunction display	EASY800-USB-CAB	106408	1
Power supply, 24VDC, 0.2A	EASY200-POW	229424	1
Power supply, 24VDC, 1.25A	EASY400-POW	212319	1
Power supply, 24VDC, 2.5A	EASY500-POW	110941	1

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PHASE OUT TYPE

Communication Center Z-CC/2CO

- Universal remote monitoring and controlling via SMS based on GSM

SG42612



Description	Type Designation	Article No.	Units per package
2 Change-over contacts	Z-CC/2CO	119383	1

Accessories for Z-CC/2CO

Power supply unit (24V 0.2A)	EASYPOW200	229424	1
Temperature sensor	Z-CC/2CO-SE	119430	1
Patch cord 2.0 m	DNW-PX/0200/RJ45/RJ45/ 5E/CSUTP/GR/PV	237271	1

PHASE OUT TYPE

Signalling Devices: Buzzer Z-SUM, Bell Z-GLO

SG27712



Function/Rated Voltage (V~)		Type Designation	Article No.	Units per package
Buzzer	230	Z-SUM230	270584	2 / 120
Buzzer	24	Z-SUM24	270583	2 / 120
Buzzer	12	Z-SUM12	271087	2 / 120
Bell	230	Z-GLO230	270586	2 / 120
Bell	24	Z-GLO24	270585	2 / 120
Bell	12	Z-GLO12	271088	2 / 120

Signalling Devices AS

wa_sg04311



ASBELL230

Function/Rated Voltage (V~)		Type Designation	Article No.	Units per package
Bell	230V AC	ASBELL230	167393	1
Bell	12V AC	ASBELL12	167394	1
Buzzer	230V AC	ASBUZZ230	167395	1
Siren	24V AC/DC	ASSIR24	167396	1

Transformers 230V, TR-G

Bell-Transformers 230V, TR-G.

- Type -S with primary switch

SG82911



MU	Sec.-Volt. (V)	Sec.-Current (A)	Type Designation	Article No.	Units per package
2	8	1	TR-G/8	272480	1 / 28
2	4-8-12	1-1-0,67	TR-G3/8	272481	1 / 28
2	8	1	TR-G/8-S	272482	1 / 28
2	4-8-12	2-2-1,5	TR-G3/18	272483	1 / 28
3	12-24	2-1	TR-G2/24	272484	1 / 20

Powering Business Worldwide

SG42512



Safety-Transformers 230V, TR-G./..-SF.

- 100% ED

MU	Sec.-Volt. (V)	Sec.-Current (A)	Type Designation	Article No.	Units per package
5	12-24	5,2-2,6	TR-G2/63-SF	272485	1 / 12

xCommand RMQ Titan® Command and Signalling Devices

- Complete units for front installation

Push-button, flat, 1 NO + 1 NC

wa_sg00912



Description	Type Designation	Article No.	Units per package
spring-return, black	M22-D-S-K11	SET000001	1
spring-return, white	M22-D-W-K11	SET000002	1
spring-return, red	M22-D-R-K11	SET000003	1
spring-return, green	M22-D-G-K11	SET000004	1
spring-return, yellow	M22-D-Y-K11	SET000005	1
spring-return, blue	M22-D-B-K11	SET000006	1
stay-put, black	M22-DR-S-K11	SET000007	1
stay-put, white	M22-DR-W-K11	SET000008	1
stay-put, red	M22-DR-R-K11	SET000009	1
stay-put, green	M22-DR-G-K11	SET000010	1
stay-put, yellow	M22-DR-Y-K11	SET000011	1
stay-put, blue	M22-DR-B-K11	SET000012	1

Push-button, flat, LED 230 V, 1 NO + 1 NC

wa_sg00912



Description	Type Designation	Article No.	Units per package
spring-return, white	M22-DL-W-K11-230-W	SET000013	1
spring-return, red	M22-DL-R-K11-230-R	SET000014	1
spring-return, green	M22-DL-G-K11-230-G	SET000015	1
spring-return, yellow	M22-DL-Y-K11-230-W	SET000016	1
spring-return, blue	M22-DL-B-K11-230-B	SET000017	1
stay-put, white	M22-DRL-W-K11-230-W	SET000018	1
stay-put, red	M22-DRL-R-K11-230-R	SET000019	1
stay-put, green	M22-DRL-G-K11-230-G	SET000020	1
stay-put, yellow	M22-DRL-Y-K11-230-W	SET000021	1
stay-put, blue	M22-DRL-B-K11-230-B	SET000022	1

Indicator lamp, flat, LED 230 V

wa_sg00612



Description	Type Designation	Article No.	Units per package
white	M22-L-W-230-W	SET000023	1
red	M22-L-R-230-R	SET000024	1
green	M22-L-G-230-G	SET000025	1
yellow	M22-L-Y-230-W	SET000026	1
blue	M22-L-B-230-B	SET000027	1

Selector, 1 NO + 1 NC

wa_sg00712



Description	Type Designation	Article No.	Units per package
2 positions, spring-return	M22-WK-K11	SET000028	1
2 positions, stay-put	M22-WRK-K11	216519	1

Key-operated switch, 1 NO + 1 NC

wa_sg00812



Description	Type Designation	Article No.	Units per package
2 positions, spring-return	M22-WS-K11	SET000029	1
2 positions, stay-put	M22-WRS-K11	216517	1

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Double push-button, 1 NO + 1 NC with LED

wa_sg01012



Description	Type Designation	Article No.	Units per package
Double push-button 1 NO + 1 NC with LED	M22-DDL-GR-X1/X0/K11/230-W	216509	1

Accessories for RMQ Titan®

SG06410



Description	Type Designation	Article No.	Units per package
Din rail adapter	M22-IVS	216400	1
Contact element 1 NO	M22-K10	216376	20
Contact element 1 NC	M22-K01	216378	20

EMERGENCY SWITCH-OFF button, complete unit IP66

wa_sg02911



Description	Type Designation	Article No.	Units per package
Emergency switch-off button, 2 NC, surface-mounted	M22-PV/KC02/IY	216524	1

xCommand LS-TITAN® Command & Signalling Devices

Position switch LS-11, IP66

- 1 NO, 1 NC

wa_sg03111



Actuation	Type Designation	Article No.	Units per package
Cap plunger head	LS-11	266109	10
Roller plunger	LS-11/P	266112	2
Spring-rod head, snap-action switch	LS-11S/S	266104	2
Roller lever	LS-11/L	266110	2
Rotary lever	LS-11/RL	266111	2
Adjustable roller lever	LS-11/RLA	266113	2
Actuating lever, snap-action switch	LS-11S/RR	266106	4

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xStart Contactors

DILM Contactors

- Control voltage 230 V 50 Hz, 240 V 60 Hz

wa_sg00111



Rated current (A)	Rated power (kW)	Aux. contact	Type Designation	Article No.	Units per package
7	3	1 NO	DILM7-10(230V50HZ)	276550	1
7	3	1 NC	DILM7-01(230V50HZ)	276585	1
6	4	1 NO	DILM9-10(230V50HZ)	276690	1
6	4	1 NC	DILM9-01(230V50HZ)	276725	1
12	5.5	1 NO	DILM12-10(230V50HZ)	276830	1
12	5.5	1 NC	DILM12-01(230V50HZ)	276865	1
17	7.5	1 NO	DILM17-10(230V50HZ)	277004	1
17	7.5	1 NC	DILM17-01(230V50HZ)	277036	1
25	11	1 NO	DILM25-10(230V50HZ)	277132	1
25	11	1 NC	DILM25-01(230V50HZ)	277164	1
32	15	1 NO	DILM32-10(230V50HZ)	277260	1
32	15	1 NC	DILM32-01(230V50HZ)	277292	1
40	18.5	–	DILM40(230V50HZ)	277766	1
50	22	–	DILM50(230V50HZ)	277830	1
65	30	–	DILM65(230V50HZ)	277894	1

DILM Contactors

- Control voltage 24 VDC

wa_sg00111



Rated current (A)	Rated power (kW)	Aux. contact	Type Designation	Article No.	Units per package
7	3	1 NO	DILM7-10(24VDC)	276565	1
7	3	1 NC	DILM7-01(24VDC)	276600	1
6	4	1 NO	DILM9-10(24VDC)	276705	1
6	4	1 NC	DILM9-01(24VDC)	276740	1
12	5.5	1 NO	DILM12-10(24VDC)	276845	1
12	5.5	1 NC	DILM12-01(24VDC)	276880	1
17	7.5	1 NO	DILM17-10(RDC24)	277018	1
17	7.5	1 NC	DILM17-01(RDC24)	277050	1
25	11	1 NO	DILM25-10(RDC24)	277146	1
25	11	1 NC	DILM25-01(RDC24)	277178	1
32	15	1 NO	DILM32-10(RDC24)	277274	1
32	15	1 NC	DILM32-01(RDC24)	277306	1
40	18.5	–	DILM40(RDC24)	277780	1
50	22	–	DILM50(RDC24)	277844	1
65	30	–	DILM65(RDC24)	277908	1

Motor-protective Relay ZB

- Suitable for DILM7 to DILM32

wa_sg17604



Overload release setting range (A)	Type Designation	Article No.	Units per package
0.1 - 0.16	ZB12-0,16	278431	1
0.16 - 0.25	ZB12-0,24	278432	1
0.25 - 0.4	ZB12-0,4	278433	1
0.4 - 0.63	ZB12-0,6	278434	1
0.63 - 1	ZB12-1	278435	1
1 - 1.6	ZB12-1,6	278436	1
1.6 - 2.5	ZB12-2,4	278437	1
2.5 - 4	ZB12-4	278438	1
4 - 6.3	ZB12-6	278439	1
6.3 - 10	ZB12-10	278440	1
10 - 12	ZB12-12	278441	1
12 - 16	ZB32-16	278452	1
16 - 24	ZB32-24	278453	1
24 - 32	ZB32-32	278454	1

Motor-protective Relay ZB

- Suitable for DILM40 to DILM65

wa_sg17704



Overload release setting range (A)	Type Designation	Article No.	Units per package
6 -10	ZB65-10	278455	1
10 - 16	ZB65-16	278456	1
16 -24	ZB65-24	278457	1
24 -40	ZB65-40	278458	1
40 - 57	ZB65-57	278459	1
50 -65	ZB65-65	278460	1

Auxiliary Switch Modules DILA-XHI

- Suitable for DILM7 to DILM32

wa_sg17404



NO	NC	Type Designation	Article No.	Units per package
2	–	DILA-XHI20	276422	5
1	1	DILA-XHI11	276421	5
4	–	DILA-XHI40	276428	5
3	1	DILA-XHI31	276427	5
2	2	DILA-XHI22	276426	5

Auxiliary Switch Modules DILM150-XHI

- Suitable for DILM40 to DILM65

wa_sg03011



NO	NC	Type Designation	Article No.	Units per package
2	–	DILM150-XHI20	277945	5
1	1	DILM150-XHI11	277946	5
4	–	DILM150-XHI40	277948	5
3	1	DILM150-XHI31	277949	5
2	2	DILM150-XHI22	277950	5

Busbar Systems

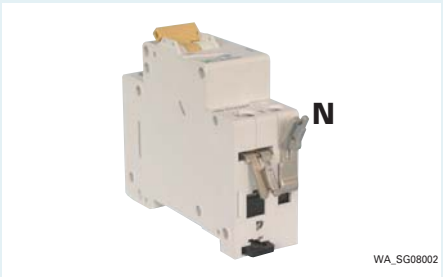
Example Plug-in Busbar System



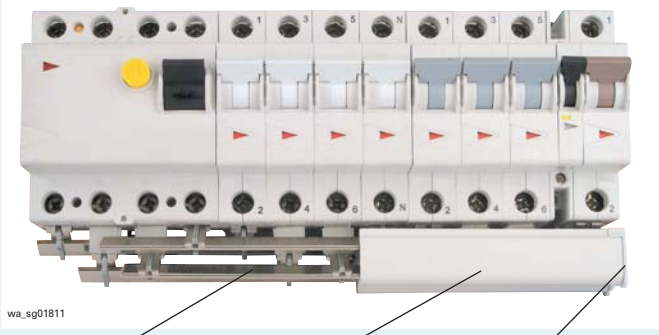
Same connection angle ZV-L1/N (-80A) for L1 and N, turned by 180°



Same connection angle ZV-L2/L3 (-80A) for L2 and L3, turned by 180°



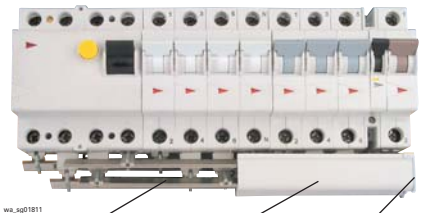
Same connection angle ZV-N-05TE (-80A) for N (CLS6 with 1.5 MU) 50 and 80 A busbar.



Busbar
ZV-SS
ZV-SS-80A

Busbar cover ZV-ADP

End caps ZV-AEK



WA_SG08102



Same connection angle ZV-L1/N (-80A) for L1 and N, turned by 180°

WA_SG07902



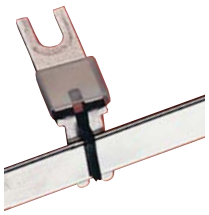
Same connection angle ZV-L2/L3 (-80A) for L2 and L3, turned by 180°

WA_SG08002



Same connection angle ZV-N-05TE (-80A) for N (CLS6 with 1.5 MU) 50 and 80 A busbar.

330607



50 A, ZV-SS

SG7997

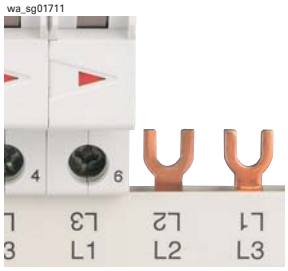


80 A, ZV-SS-80A

Description		Cu-factor	Type Designation	Article No.	Units per package
Plug-in Busbar System 50A, 80A ZV for PLS., CLS., PKN., PFIM, PFHM (with Auxiliary Switch)					
Connection Angle L1, N					
50 A	10 pcs.	0.005	ZV-L1/N-10	263941	10 / 600
	36 pcs.	0.005	ZV-L1/N-36	263942	36 / 2160
	100 pcs.	0.005	ZV-L1/N-100	263943	100 / 3000
80 A	10 pcs.	0.005	ZV-L1/N-80A-10	263950	10 / 600
	36 pcs.	0.005	ZV-L1/N-80A-36	263951	36 / 2160
	100 pcs.	0.005	ZV-L1/N-80A-100	263952	100 / 3000
Connection Angle L2, L3					
50 A	10 pcs.	0.007	ZV-L2/L3-10	263944	10 / 600
	36 pcs.	0.007	ZV-L2/L3-36	263945	36 / 2160
	100 pcs.	0.007	ZV-L2/L3-100	263946	100 / 3000
80 A	10 pcs.	0.007	ZV-L2/L3-80A-10	263953	10 / 600
	36 pcs.	0.007	ZV-L2/L3-80A-36	263954	36 / 2160
	100 pcs.	0.007	ZV-L2/L3-80A-100	263955	100 / 3000
Connection Angle N (0.5 MU) for PLSM, CLS6 with 1.5 MU					
50 A	10 pcs.	0.005	ZV-N-05TE-10	263947	10 / 600
	36 pcs.	0.005	ZV-N-05TE-36	263948	36 / 2160
80 A	100 pcs.	0.005	ZV-N-05TE-100	263949	100 / 3000
Busbar 1m					
50 A		0.143	ZV-SS	263956	1 / 10
80 A		0.230	ZV-SS-80A	263957	1 / 10
Cover section 1 m for 50+80A			ZV-ADP	263958	1 / 10
End caps for busbar cover			ZV-AEK	263959	10 / 600
Power feed block 35/50mm^2			Z-D80	248269	12 / 120

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wa_sg01711



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block (Fork) Z-GV				
for PLS., CLS., PKN., PFIM, PFHM, Z-SLS/D01				
• Delivered with end caps				
10 mm²				
• Rated current 63 A				
3-phases 6x PKN.	0.372	Z-GV-10/3P-4TE/17	271081	25
16 mm²				
• Rated current 80 A				
1-phase 16x	0.095	Z-GV-16/1P-1TE/16	271074	50
2-phases 8x	0.187	Z-GV-16/1P+N-2TE/16	271075	20
3-phases 2x	0.140	Z-GV-16/3P-3TE/8	271073	40
3-phases 5x	0.357	Z-GV-16/3P-3TE/16	271076	20
4-phases 4x	0.444	Z-GV-16/3P+N-4TE/16	271078	15

Description	Cu-factor	Type Designation	Article No.	Units per package
1 m Busbar block (Fork) Z-GV				
for PLS., CLS., PKN., PFIM, PFHM, Z-SLS/D01				
• Delivered without end caps				
10 mm²				
• Rated current 63 A				
1-phase	0.408	Z-GV-10/1P-1TE	270339	50
3-phases	0.739	Z-GV-10/3P-3TE	271060	20
3-phases	0.739	Z-GV-10/3P-4TE	271080	20
End cap 1-phase		Z-V-AK/1P	104905	10 / 600
End cap 2+3-phases		Z-AK-10/2+3P	271069	10 / 600
16 mm²				
• Rated current 80 A				
1-phase	0.470	Z-GV-16/1P-1TE	271061	50
1-phase+aux. switch	0.470	Z-GV-16/1P+HS	271062	50
2-phases	0.657	Z-GV-16/1P+N-2TE	271063	20
3-phases	1.042	Z-GV-16/3P-3TE	271064	20
3-phases+aux. switch	0.998	Z-GV-16/3P+HS	271065	20
4-phases	1.465	Z-GV-16/3P+N-4TE	271066	15
4-phases	1.522	Z-GV-16/3P+3N-6TE	263142	15
4-phases	1.050	Z-GV-16/PKPX/4PHAS	116882	10
End cap 1-phase		Z-V-AK/1P	104905	10 / 600
End cap 2+3-phases		Z-AK-16/2+3P	271070	10 / 600
End cap 4-phases		Z-AK-16/4P	271071	10 / 600
End cap 4-phases		Z-V-AK/4P	264931	10 / 600

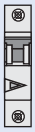
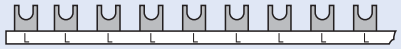
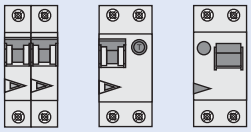
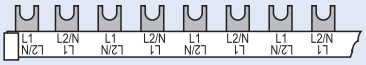
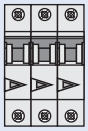
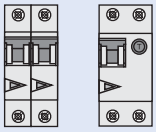
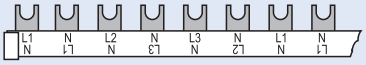
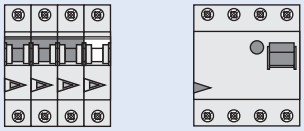
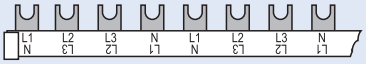
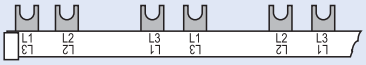
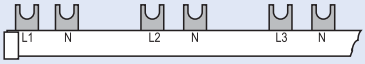
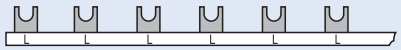
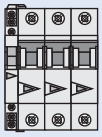
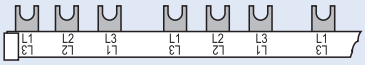
SG05705



Description	Type Designation	Article No.	Units per package
Accessories			
Busbar Tag Shrouds ZV-BS-G			
	ZV-BS-G	104903	10 / 600

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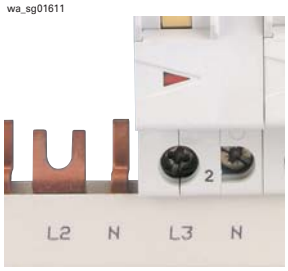
Description of the Busbar Block (Fork) Z-GV

Devices to busbar	Pcs. of the devices	End caps	Type
1-phase			
	x57 x57 x16	Z-V-AK/1P 	Z-GV-10/1P-1TE Z-GV-16/1P-1TE Z-GV-16/1P-1TE/16
2-phases			
	x28 x8	Z-AK-16/2+3P 	Z-GV-16/1P+N-2TE Z-GV-16/1P+N-2TE/16
3-phases			
	x19 x19 x2 x5	Z-AK-10/2+3P Z-AK-16/2+3P 	Z-GV-10/3P-3TE Z-GV-16/3P-3TE Z-GV-16/3P-3TE/8 Z-GV-16/3P-3TE/16
4-phases			
	x27	Z-AK-16/4P 	Z-GV-16/3P+3N-6TE
	x14 x4	Z-AK-16/4P 	Z-GV-16/3P+N-4TE Z-GV-16/3P+N-4TE/16
For 2-pole Combined RCD/MCB Device, 3-phases			
	x18 x6	Z-AK-10/2+3P 	Z-GV-10/3P-4TE Z-GV-10/3P-4TE/17
For 2-pole Combined RCD/MCB Device, 4-phases			
	x18	Z-V-AK/4P 	Z-GV-16/PKPX/4PHAS
1-phase + Auxiliary Switch			
	x38	Z-V-AK/1P 	Z-GV-16/1P+HS
3-phases + Auxiliary Switch			
	x16	Z-AK-16/2+3P 	Z-GV-16/3P+HS

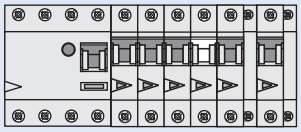
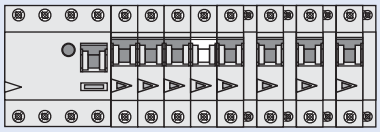
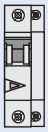
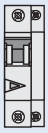
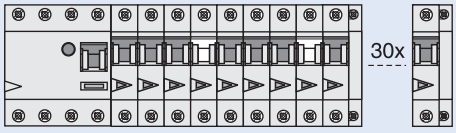
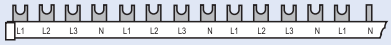
xPole

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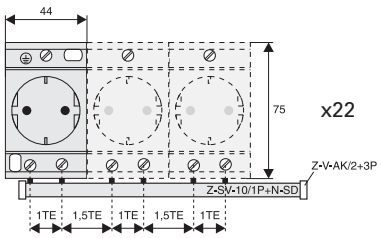
wa_sg01611



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block (Fork and Pin) Z-GSV-16/				
for PLS.1N (1.5MU)				
• Delivered with end caps				
10 mm²				
• Rated current 63 A				
4-phases	0.208	Z-GSV-10/FI+EH+2XLS1N	113138	10
4-phases	0.277	Z-GSV-10/FI+EH+4XLS1N	113139	10
16 mm²				
• Rated current 80 A				
2-phases 9x	0.179	Z-GSV-16/1P+N/9	271077	15
4-phases 3x	0.408	Z-GSV-16/3P+3N/9	271079	15
1 m Busbar block (Fork and Pin) Z-GSV-16/				
for PLS.1N (1.5MU)				
• Delivered without end caps				
16 mm²				
• Rated current 80 A				
2-phases	0.585	Z-GSV-16/1P+N	271067	10
4-phases	1.840	Z-GSV-16/3P+3N	271068	10
4-phases	2.196	Z-GSV-16/FI+EH+KR+30XLS1N	113137	7
End cap 2+3-phases		Z-AK-16/2+3P	271070	10 / 600
End cap 4-phases		Z-AK-16/4P	271071	10 / 600
End cap 4-phases		Z-V-AK/4P	264931	10 / 600

Devices to busbar	Pcs. of the devices	End caps		Type
4-phases 		Z-V-AK/4P		Z-GSV-10/FI+EH+2XLS1N
4-phases 		Z-V-AK/4P		Z-GSV-10/FI+EH+4XLS1N
2-phases 	x37 x9	Z-AK-16/2+3P		Z-GSV-16/1P+N Z-GSV-16/1P+N/9
4-phases 	x37 x9	Z-AK-16/4P		Z-GSV-16/3P+3N Z-GSV-16/3P+3N/9
4-phases 	30x	Z-V-AK/4P		Z-GSV-16/FI+EH+KR+30XLS1N

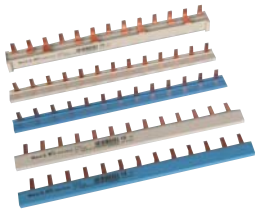
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Description	Cu-factor	Type Designation	Article No.	Units per package
1 m **Busbar block (Pin) Z-SV...-SD**				
for Protected Earth Socket Z-SD230				
• Delivered with end caps				
10 mm²				
• Rated current 50 A				
2-phases	0.588	Z-SV-10/1P+N-SD	269526	10
End cap		Z-V-AK/2+3P	264930	10 / 600

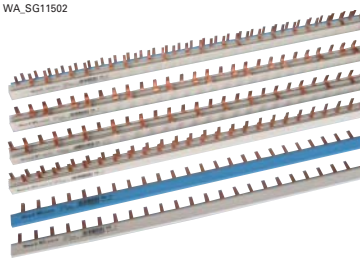
Powering Business Worldwide

WA_SG11302



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block 13MU (Pin) Z-SV-10/				
for PLN. (1MU), Z-SI				
• Delivered with end caps				
10 mm²				
• Rated current 50 A				
1-phase straight grey	0.055	Z-SV-10/1P-1TE/13	264916	10
1-phase straight blue	0.055	Z-SV-10/N-1TE/13	264917	10
1-phase crosswise grey	0.055	Z-SV-10/1P-F/13	264918	10
1-phase crosswise blue	0.055	Z-SV-10/N-F/13	264919	10
2-phases	0.126	Z-SV-10/2P-2TE/13	264922	10
3-phases	0.203	Z-SV-10/3P-3TE/13	264924	10
4-phases	0.258	Z-SV-10/3P+N-4TE/12	264926	10
4-phases (for PLN.)	0.258	Z-SV-10/3P+3N-3TE/13	264927	10

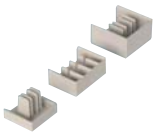
WA_SG11502



1 m **Busbar block (Pin) Z-SV-16/**				
for PLN. (1MU), Z-SI				
• Delivered without end caps				
16 mm²				
• Rated current 63 A				
1-phase straight grey	0.385	Z-SV-16/1P-1TE	264912	25
1-phase straight blue	0.385	Z-SV-16/N-1TE	264913	25
1-phase crosswise grey	0.385	Z-SV-16/1P-1TE/F	269523	25
1-phase crosswise blue	0.385	Z-SV-16/N-1TE/F	269524	25
2-phases	0.941	Z-SV-16/2P-2TE	264923	10
3-phases (for PLN.)	1.326	Z-SV-16/2P+2N-2TE	264914	7
3-phases	1.422	Z-SV-16/3P-3TE	264925	10
4-phases	2.177	Z-SV-16/3P+N-4TE	264928	7
4-phases (for PLN.)	1.807	Z-SV-16/3P+3N-3TE	264915	7

Description	Type Designation	Article No.	Units per package
Accessories			
End Caps, Z-V-AK/			
2+3-phases	Z-V-AK/2+3P	264930	10 / 600
4-phases	Z-V-AK/4P	264931	10 / 600

WA_SG10602



Extension Terminal 6 - 25 mm², Z-EK/25

- for busbar type Z-SV

wa_sg02512



long, straight	Z-EK/25	264935	10 / 600
short, straight	Z-EK/25/K	269525	10 / 600
long, crosswise	Z-EK/25/QL	264937	10 / 600
short, crosswise	Z-EK/25/Q	264936	10 / 600

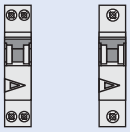
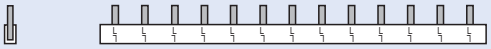
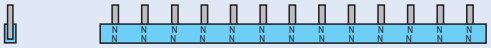
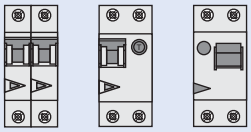
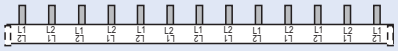
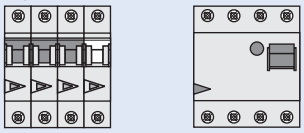
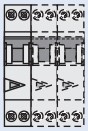
Busbar Tag Shrouds ZV-BS-G

SG05705



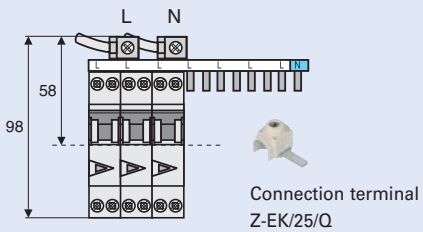
	ZV-BS-G	104903	10 / 600

Description of the Busbar Block (Pin) Z-SV

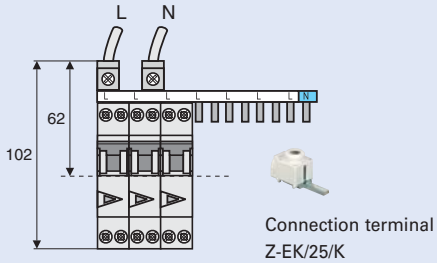
Devices to busbar	Pcs. of the devices	End caps	Type
1-phase + 2-phases			
	x13 x56		Z-SV-10/1P-F/13 Z-SV-16/1P-1TE/F
	x13 x56		Z-SV-10/N-F/13 Z-SV-16/N-1TE/F
	x13 x56		Z-SV-10/1P-1TE/13 Z-SV-16/1P-1TE
	x13 x56		Z-SV-10/N-1TE/13 Z-SV-16/N-1TE
2-phases			
	x6 x28	Z-V- AK/2+3P 	Z-SV-10/2P-2TE/13 Z-SV-16/2P-2TE
3-phases			
	x56	Z-V- AK/2+3P 	Z-SV-16/2P+2N-2TE
	x4 x19	Z-V- AK/2+3P 	Z-SV-10/3P-3TE/13 Z-SV-16/3P-3TE
4-phases			
	x3 x14	Z-V- AK/4P 	Z-SV-10/3P+N-4TE/12 Z-SV-16/3P+N-4TE
	x13 x56	Z-V- AK/2+3P 	Z-SV-10/3P+3N-3TE/13 Z-SV-16/3P+3N-3TE

Example

Z-SV-10/1P-F/13, Z-SV-16/1P-1TE/F
Z-SV-10/N-F/13, Z-SV-16/N-1TE/F

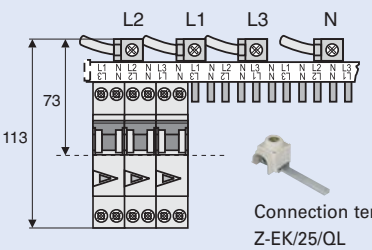


Connection terminal
Z-EK/25/Q

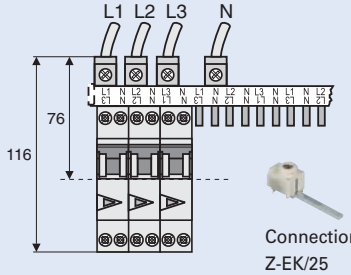


Connection terminal
Z-EK/25/K

Z-SV-.. 2-phasig bis 4-phasig



Connection terminal
Z-EK/25/QL

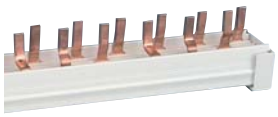


Connection terminal
Z-EK/25

xPole

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SG4700

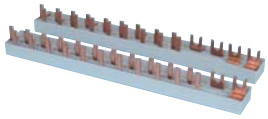


Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block 12MU (Fork + Pin) Z-GSV-10/				
for PLN. (1MU) + RCD				
• Delivered with end caps				
10 mm²				
• Rated current 63 A				
below				
2-phases, RCD-2p + 4xPLN	0.07	Z-GSV-10/1P+N-NL/6	274297	10 / 200
2-phases, RCD-2p + 10xPLN	0.131	Z-GSV-10/1P+N/12-U	274299	10 / 100
4-phases, RCD-4p + 4xPLN	0.13	Z-GSV-10/3P+N-NL/8	116858	10
4-phases, RCD-4p + 8xPLN	0.463	Z-GSV-10/3P+N/12-U	274400	10 / 100
4-phases, RCD-4p + 3xPLS.. + 5xPLN	0.463	Z-GSV-10/3P+N/12H-U	274401	10 / 100
above				
2-phases, RCD-2p + 10xPLN	0.131	Z-GSV-10/1P+N/12-O	274402	10 / 100
4-phases, RCD-4p + 8xPLN	0.463	Z-GSV-10/3P+N/12-O	274403	10 / 100

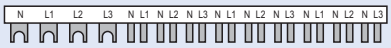
Devices to busbar	Pcs. of the devices	End caps	Type
2-phases	4xPLN	Z-V-AK/2+3P	Z-GSV-10/1P+N-NL/6
	x10	Z-V-AK/2+3P	Z-GSV-10/1P+N/12-O
		Z-V-AK/2+3P	Z-GSV-10/1P+N/12-U
4-phases	x5	Z-V-AK/4P	Z-GSV-10/3P+N/12H-U
	x8	Z-V-AK/4P	Z-GSV-10/3P+N/12-O
		Z-V-AK/4P	Z-GSV-10/3P+N/12-U
	4xPLN	Z-V-AK/4P	Z-GSV-10/3P+N-NL/8

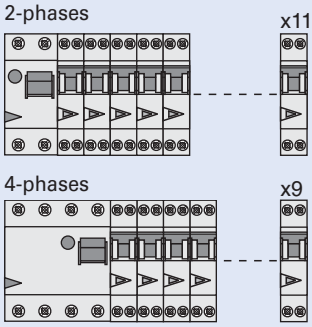
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wa_sg14303



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block 13MU (Fork + Pin) Z-GSV-10/				
for 1x RCD + PLG. (1MU)				
• Do not cut!				
10 mm²				
• Rated current 63 A				
above				
2-phases, RCD-2p + 11xPLG	0.251	Z-GSV-10/1P+N-F/13	264920	10
4-phases, RCD-4p + 9xPLG	0.439	Z-GSV-10/3P+N-F/13	264921	10

Devices to busbar	Pcs. of the devices		Type
2-phases	x11		Z-GSV-10/1P+N-F/13
4-phases	x9		Z-GSV-10/3P+N-F/13



wa_sg02512

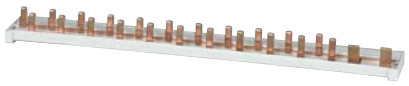


Description	Type Designation	Article No.	Units per package
Accessories			
Extension Terminal 6 - 25 mm², Z-EK/25			
long, straight	Z-EK/25	264935	10 / 600
long, crosswise	Z-EK/25/QL	264937	10 / 600
Busbar Tag Shrouds ZV-BS-G			
	ZV-BS-G	104903	10 / 600

SG05705

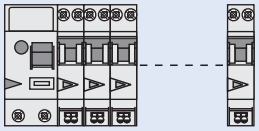


SG07106



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block (Pin) Z-SV-10/1P+N-F/				
for 1x PFGC + PLGC. (1MU)				
• Do not cut!				
10 mm²				
• Rated current 63 A				
• 2-phases				
PFGC + 4x PLGC	0.105	Z-SV-10/1P+N-F/6	107944	10 / 100
PFGC + 7x PLGC	0.155	Z-SV-10/1P+N-F/9	107943	10 / 100
PFGC + 11x PLGC	0.22	Z-SV-10/1P+N-F/13	107942	10 / 100

Devices to busbar	Pcs. of the devices		Type
2-phases	x4		Z-SV-10/1P+N-F/6
	x7		Z-SV-10/1P+N-F/9
	x11		Z-SV-10/1P+N-F/13



Busbar Tag Shrouds ZV-BS-G			
	ZV-BS-G	104903	10 / 600

SG05705

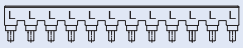
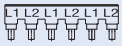
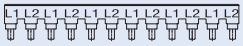
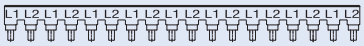
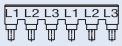
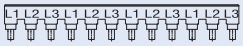
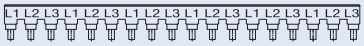


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wa_sg03511



Phases	MU	Cu-factor	Type Designation	Article No.	Units per package
Busbar block UL489 (Pin), Z-SV/UL-16/					
for FAZ-NA, FAZ-RT					
• Do not cut!					
16 mm²					
• Rated current 80 A					
1-phase	6MU	0.035	Z-SV/UL-16/1P-1TE/6	104892	10 / 200
1-phase	12MU	0.070	Z-SV/UL-16/1P-1TE/12	104893	10 / 200
1-phase	18MU	0.105	Z-SV/UL-16/1P-1TE/18	104894	10 / 40
2-phases	6MU	0.070	Z-SV/UL-16/2P-2TE/6	104895	10 / 200
2-phases	12MU	0.140	Z-SV/UL-16/2P-2TE/12	104896	10 / 200
2-phases	18MU	0.210	Z-SV/UL-16/2P-2TE/18	104897	10 / 40
3-phases	6MU	0.140	Z-SV/UL-16/3P-3TE/6	104898	10 / 200
3-phases	12MU	0.221	Z-SV/UL-16/3P-3TE/12	104899	10 / 200
3-phases	18MU	0.332	Z-SV/UL-16/3P-3TE/18	104900	10 / 40

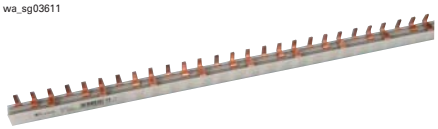
Devices to busbar	Pcs. of the devices		Type
1-phase			
	x6		Z-SV/UL-16/1P-1TE/6
	x12		Z-SV/UL-16/1P-1TE/12
	x18		Z-SV/UL-16/1P-1TE/18
2-phases			
	x3		Z-SV/UL-16/2P-2TE/6
	x6		Z-SV/UL-16/2P-2TE/12
	x9		Z-SV/UL-16/2P-2TE/18
3-phases			
	x2		Z-SV/UL-16/3P-3TE/6
	x4		Z-SV/UL-16/3P-3TE/12
	x6		Z-SV/UL-16/3P-3TE/18

Description	Cu-factor	Type Designation	Article No.	Units per package
Accessories				
Extension Terminal 35 mm² UL489, Z-EK/35/UL				
SG07506				
				
2.5-35mm², AWG 14-2	0.035	Z-EK/35/UL	104901	3 / 180
Busbar Tag Shrouds UL489, ZV-BS-UL				
SG07706				
				
for 3 pins		ZV-BS-UL	104904	10 / 600

xPole

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wa_sg03611

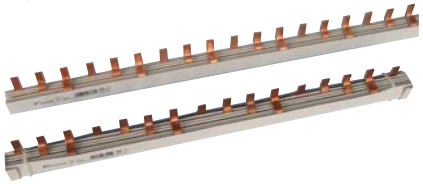


wa_sg10802, SG4800



Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block (Pin) Z-SV-16/3P				
for Z-SLS, PLHT, D0.-SO/.. (1.5MU)				
• Delivered without end caps				
16 mm²				
• Rated current 80 A				
3-phases	0.84	Z-SV-16/3P	271072	20
End cap		Z-AK-16/2+3P	271070	10 / 600
Extension terminal 6-50mm²		Z-EK/50	264934	3 / 180

wa_sg03711



SG4800



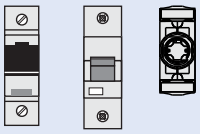
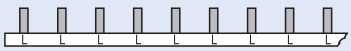
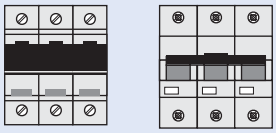
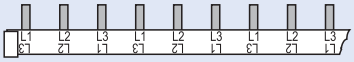
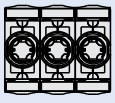
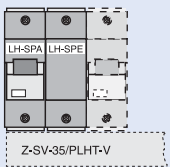
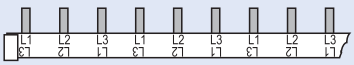
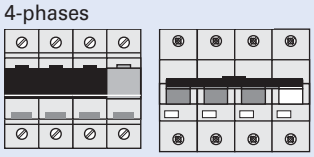
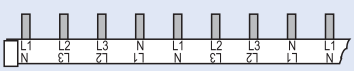
Description	Cu-factor	Type Designation	Article No.	Units per package
Busbar block (Pin) Z-SV-35				
for Z-SLS, PLHT, D0.-SO/.. (1.5MU), PLHT-V (1.5MU)				
• Delivered without end caps				
35 mm²				
• Rated current 110 A				
1-phase crosswise grey	0.83	Z-SV-35/1P	113135	1
3-phases	2.74	Z-SV-35/3P	264938	4
3-phases	2.74	Z-SV-35/PLHT-V	264939	4
4-phases*	1,57	Z-SV-35/3P+N-6TE	263110	4
End cap		Z-V-35/AK/3P	264932	10 / 600

* delivered with end caps

wa_sg11002



Description	Type Designation	Article No.	Units per package
Accessories			
Extension Terminal Z-EK/95			
• 25-95 mm² single-/multi-wired			
• 16-70 mm² fine-wired with wire end ferrule			
for Z-SV-35/1P	Z-EK/95-1	113136	3 / 90
for Z-SV-... 3-phases	Z-EK/95	264933	3 / 90
for Z-SV-35/3P+N	Z-EK/95-3N	264911	4 / 120

Devices to busbar	Pcs.	of the devices	End caps	Type
1-phase				
	x36			Z-SV-35/1P
3-phases				
	x12		Z-AK-16/2+3P 	Z-SV-16/3P
			Z-V-35AK/3P 	Z-SV-35/3P
				
	x33		Z-V-35AK/3P 	Z-SV-35/PLHT-V
4-phases				
	x4		Z-V-35AK/3P 	Z-SV-35/3P+N-6TE

EATON Powering Business Worldwide

Wa_sg02902



Euro-Vario-Busbar (Fork) EVG

for PLS., CLS., PKN., PFIM, PFHM, PFNM

- No end caps necessary
- Do not cut!

10 mm²

- Rated current 63 A

Phases	MU	Cu-factor	Type Designation	Article No.	Units per package
1-phase	2	0.015	EVG-1PHAS/2MODUL	215646	40 / 800
1-phase	6	0.039	EVG-1PHAS/6MODUL	215638	40 / 800
1-phase	12	0.075	EVG-1PHAS/12MODUL	215637	40 / 400
2-phases	4	0.051	EVG-2PHAS/4MODUL	268220	20 / 400
2-phases	6	0.079	EVG-2PHAS/6MODUL	215642	20 / 400
2-phases	12	0.150	EVG-2PHAS/12MODUL	215641	20 / 200
3-phases	6	0.086	EVG-3PHAS/6MODUL	215640	20 / 400
3-phases	9	0.128	EVG-3PHAS/9MODUL	215645	20 / 200
3-phases	12	0.168	EVG-3PHAS/12MODUL	215639	20 / 200
3-phases	16	0.230	EVG-3PHAS/16MODUL	285381	20
3-phases	20	0.310	EVG-3PHAS/20MODUL	285383	20 / 180
4-phases	16	0.320	EVG-3P+3N/16MODUL	105215	20
4-phases	18	0.350	EVG-3P+3N/18MODUL	274161	20
4-phases	8	0.219	EVG-4PHAS/8MODUL	215644	10 / 100
4-phases	12	0.324	EVG-4PHAS/12MODUL	215643	10 / 100

for 2-pole Combined RCD/MCB Device with a width of 3MU

1-phase	2-5	0.045	EVG-1PHAS/N/2-5MODUL/FILS	285384	40 / 800

for combination RCD/MCBs with RCD 4-pole

3-phases	4+5	0.138	EVG-3PHAS/N/5MODUL/LS	215659	20 / 200
3-phases	4+8	0.188	EVG-3PHAS/N/8MODUL/LS	215660	20 / 200

for applications with Auxiliary Switch

Wa_sg01602



1-phase	2.5	0.025	EVG-1PHAS/2MODUL/HI	215655	40 / 200
1-phase	13	0.096	EVG-1PHAS/9MODUL/HI	215656	40
2-phases	4.5	0.053	EVG-2PHAS/4MODUL/HI	219573	20 / 400
2-phases	12	0.160	EVG-2PHAS/10MODUL/HI	215657	20
3-phases	6.5	0.100	EVG-3PHAS/6MODUL/HI	216411	20 / 200
3-phases	13.5	0.200	EVG-3PHAS/12MODUL/HI	215658	20

16 mm²

- Rated current 80 A

WA_SG02902



1-phase	2	0.023	EVG-16/1PHAS/2MODUL	291464	40 / 800
1-phase	6	0.059	EVG-16/1PHAS/6MODUL	291465	40 / 800
1-phase	12	0.113	EVG-16/1PHAS/12MODUL	291466	40 / 400
2-phases	4	0.080	EVG-16/2PHAS/4MODUL	291467	20 / 400
2-phases	6	0.120	EVG-16/2PHAS/6MODUL	291468	20 / 400
2-phases	12	0.225	EVG-16/2PHAS/12MODUL	291469	20 / 200
3-phases	6	0.112	EVG-16/3PHAS/6MODUL	291470	20 / 400
3-phases	9	0.163	EVG-16/3PHAS/9MODUL	291471	20 / 200
3-phases	12	0.218	EVG-16/3PHAS/12MODUL	291472	20 / 200
3-phases	16	0.300	EVG-16/3PHAS/16MODUL	291473	20 / 80
3-phases	20	0.363	EVG-16/3PHAS/20MODUL	291474	10 / 100
4-phases	8	0.200	EVG-16/4PHAS/8MODUL	291475	10 / 100
4-phases	12	0.284	EVG-16/4PHAS/12MODUL	291476	10 / 100

for 2-pole Combined RCD/MCB Device with a width of 3MU

4-phases	18	0.260	EVG-16/4PHAS/L-N-X/6PC	116880	10
4-phases	24	0.360	EVG-16/4PHAS/L-N-X/8PC	116881	10

for combination RCD/MCBs with RCD 4-pole

3-phases	4+5	0.179	EVG-16/3PHAS/N/5MODUL/LS	291477	20 / 200
3-phases	4+8	0.244	EVG-16/3PHAS/N/8MODUL/LS	291478	20 / 200

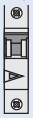
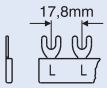
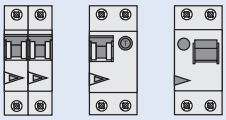
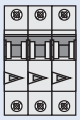
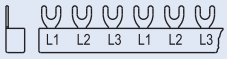
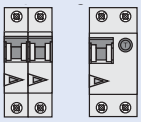
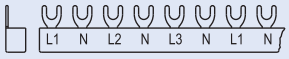
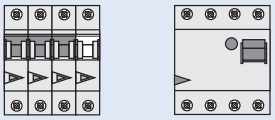
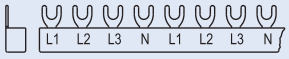
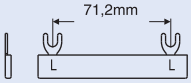
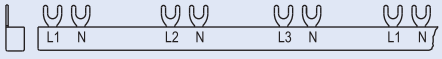
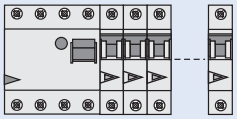
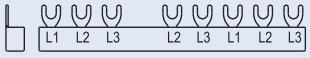
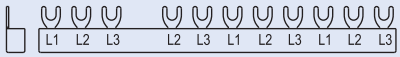
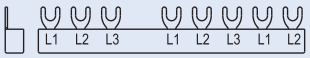
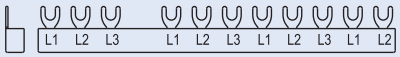
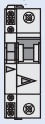
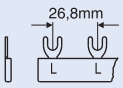
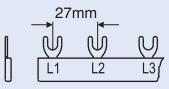
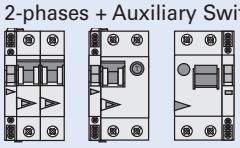
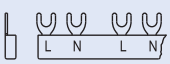
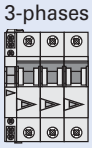
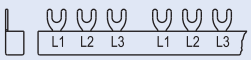
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WA_SG01602



Phases	MU	Cu-factor	Type Designation	Article No.	Units per package
for applications with Auxiliary Switch					
1-phase	2.5	0.038	EVG-16/1PHAS/2MODUL/HI	291479	40 / 800
1-phase	8.5	0.105	EVG-16/1PHAS/6MODUL/HI	291480	40 / 400
1-phase	13	0.162	EVG-16/1PHAS/9MODUL/HI	291481	40 / 160
2-phases	4.5	0.080	EVG-16/2PHAS/4MODUL/HI	291482	20 / 400
2-phases	7	0.120	EVG-16/2PHAS/6MODUL/HI	291483	20 / 200
2-phases	12	0.200	EVG-16/2PHAS/10MODUL/HI	291484	20 / 200
3-phases	6.5	0.130	EVG-16/3PHAS/6MODUL/HI	291485	20 / 200
3-phases	13.5	0.260	EVG-16/3PHAS/12MODUL/HI	291486	20 / 80
3x1-phase	8.5	0.231	EVG-16/3x1PHAS/6MODUL/HI	291487	20 / 200
3x1-phase	11.5	0.300	EVG-16/3x1PHAS/8MODUL/HI	291488	20 / 200
3x1-phase	13	0.344	EVG-16/3x1PHAS/9MODUL/HI	291489	20 / 80

Description of the Euro-Vario-Busbar (Fork) EVG

Devices to busbar	Pieces of the devices	Type
1-phase		
	x2 x6 x12 	EVG-../1PHAS/2MODUL EVG-../1PHAS/6MODUL EVG-../1PHAS/12MODUL
2-phases		
	x2 x3 x6 	EVG-../2PHAS/4MODUL EVG-../2PHAS/6MODUL EVG-../2PHAS/12MODUL
3-phases		
	x2 x3 x4 x5 x6 	EVG-../3PHAS/6MODUL EVG-../3PHAS/9MODUL EVG-../3PHAS/12MODUL EVG-../3PHAS/16MODUL EVG-../3PHAS/20MODUL
4-phases		
	x8 x9 	EVG-3P+3N/16MODUL EVG-3P+3N/18MODUL
	x2 x3 	EVG-../4PHAS/8MODUL EVG-../4PHAS/12MODUL
For 2-pole Combined RCD/MCB Device, 1-phase		
	x2 	EVG-1PHAS/2-5MODUL/FILS
For 2-pole Combined RCD/MCB Device, 4-phases		
	x6 x8 	EVG-16/4PHAS/L-N-X/6PC EVG-16/4PHAS/L-N-X/8PC
For combination RCD/MCBs with RCD 4-pole, 3-phases		
		EVG-3PHAS/N/5MODUL/LS
		EVG-3PHAS/N/8MODUL/LS
		EVG-16/3PHAS/N/5MODUL/LS
		EVG-16/3PHAS/N/8MODUL/LS
1-phase + Auxiliary Switch		
	x2 x6 x9 	EVG-../1PHAS/2MODUL/HI EVG-16/1PHAS/6MODUL/HI EVG-../1PHAS/9MODUL/HI
	x6 x8 x9 	EVG-16/3x1PHAS/6MODUL/HI EVG-16/3x1PHAS/8MODUL/HI EVG-16/3x1PHAS/9MODUL/HI
2-phases + Auxiliary Switch		
	x2 x3 x5 	EVG-../2PHAS/4MODUL/HI EVG-16/2PHAS/6MODUL/HI EVG-../2PHAS/10MODUL/HI
3-phases + Auxiliary Switch		
	x2 x4 	EVG-../3PHAS/6MODUL/HI EVG-../3PHAS/12MODUL/HI

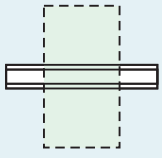
xPole

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Fuse Devices

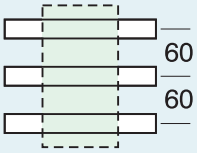
Mounting Application

Design


DIN-rail

SG80911

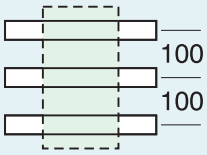

D0 D0 Fuse-Bases
D0 D0 Switch-Disconnectors
C Cylindrical Switch-Disconnectors



Busbar
60 mm

SG82311

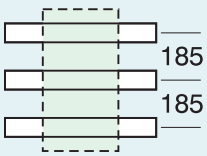

D0 D0 Fuse-Bases
D0 D0 Switch-Disconnectors
C Cylindrical Switch-Disconnectors
D DII Fuse-Bases, DIII Fuse-Bases
NH NH Fuse-Switch-Disconnectors



Busbar
100 mm

SG45512

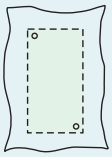

NH NH Fuse-Switch-Disconnectors



Busbar
185 mm

SG46912


NH NH Fuse-Switch-Disconnectors


Mounting Plate

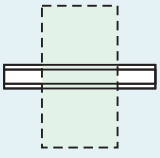
SG45512


NH NH Fuse-Switch-Disconnectors

Fuse Devices

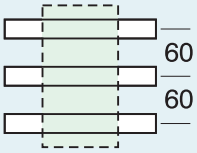
Mounting Application

Design


DIN-rail

SG80911

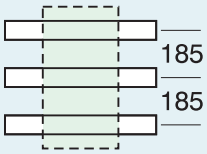

D0 D0 Fuse-Bases
D0 D0 Switch-Disconnectors
C Cylindrical Switch-Disconnectors



Busbar
60 mm

SG82311

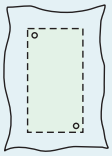

D0 D0 Fuse-Bases
D0 D0 Switch-Disconnectors
C Cylindrical Switch-Disconnectors
D DII Fuse-Bases, DIII Fuse-Bases
NH NH Fuse-Switch-Disconnectors



Busbar
185 mm

SG47012


NH NH Fuse-Switch-Disconnectors


Mounting Plate

SG45612


NH NH Fuse-Switch-Disconnectors

Fuse-Base D01+D02

Rated Current/Poles/Width			Type Designation	Article No.	Units per package
Fuse-Base FCFBD02DI					
• One design for Fuse-links size D02 and D01, because adapter springs for screw caps D02 are in scope of delivery					
• Only screw cap D02 for all applications necessary					
• Mounting on DIN-rail or mounting plate possible					
• Finger and hand touch safe according to BGV A3, ÖVE-EN 6					
• Fuse-base is equipped with holes for sealing					
63 A	1	27 mm	FCFBD02DI-1	148599	15/60
63 A	3	81 mm	FCFBD02DI-3	148810	5/20

SG80211



Screw Caps Z-D0./SK

D01	max. 16 A	Z-D01/SK	100650	20
D02	max. 63 A	Z-D02/SK	100651	20

SG11205



Adapter Spring Z-D02/SIKA-HF

• To apply D01-Fuse-links into the screw cap Z-D02/SK

D02-D01	Z-D02/SIKA-HF	263149	50 / 3000

wa_sg02612



Accessories for FCFBD02DI-.

Fuse-links Z-D0./SE-...
Cartridge-ring adapter inserts Z-D02-PE-... und Z-D02-D01-PE-...
Adapter spring Z-D02/SIKA-HF (Scope of delivery)
Cartridge-ring adapter insert plier Z-D0-PE-z see chapter Accessories Fuse Devices
For busbar blocks and feed terminals refer to the technical part, fuse-switch-disconnector, and ordering part, busbar systems.

Switch-Disconnector-Fuse D01

Poles/Rated uninterrupted current (A)		Type Designation	Article No.	Units per package
With visual tripping indicator Z-SLS/D01 (empty)				
• Rated operational voltage 230/400 VAC 1-pole 60 VDC, 2-pole 110 VDC				
• Suitable for fuse-links with operating classes gG (gL) , aM				
• Mechanical current coding is integrated				
• Lead-sealable				
• Supply side from top or bottom				
1	max. 16 A	Z-SLS/D01/1	263155	18 / 180
1+N	max. 16 A	Z-SLS/D01/1+N	263158	9 / 90
2	max. 16 A	Z-SLS/D01/2	263156	9 / 90
3	max. 16 A	Z-SLS/D01/3	263157	6 / 60
3+N	max. 16 A	Z-SLS/D01/3+N	263159	4 / 40

SG80411



Accessories

Fuse-links Z-D01/SE-.. see chapter Accessories Fuse Devices

Fuse-Switch-Disconnector D02+D01

SG80611



Poles/Rated uninterrupted current (A)	Type Designation	Article No.	Units per package

Standard Z-SLS/NEOZ (empty)

- Rated operational voltage 230/400 VAC
  1-pole 110 VDC, 2-pole 220 VDC
- Suitable for fuse-links with operating classes gG (gL) , aM
- Mechanical current coding with Fuse-link set
- Lead-sealable
- Supply side from top or bottom

1	max. 63 A	Z-SLS/NEOZ/1	248235	12 / 120
1+N	max. 63 A	Z-SLS/NEOZ/1+N	248237	6 / 60
2	max. 63 A	Z-SLS/NEOZ/2	248233	6 / 60
3	max. 63 A	Z-SLS/NEOZ/3	248234	4 / 40
3+N	max. 63 A	Z-SLS/NEOZ/3+N	248236	3 / 30

Fuse-Switch-Disconnector D02+D01

Poles/Rated uninterrupted current (A)	Type Designation	Article No.	Units per package

- Rated operational voltage 1-pole 60-230 VAC / 60-110 VDC
  2-pole 60-400 VAC / 60-220 VDC
  1+N, 3-pole, 3+N 60-400 VAC
- Mechanical current coding with Fuse-link set
- Lead-sealable
- Supply side from top or bottom

Complete with captive current code Z-SLS/CEK

SG80711



1-pole	10 A	Z-SLS/CEK10/1	272587	12 / 120
1-pole	16 A	Z-SLS/CEK16/1	263135	12 / 120
1-pole	25 A	Z-SLS/CEK25/1	263136	12 / 120
3-pole	16 A	Z-SLS/CEK16/3	248243	4 / 40
3-pole	25 A	Z-SLS/CEK25/3	248244	4 / 40
3-pole	35 A	Z-SLS/CEK35/3	248245	4 / 40
3-pole	40 A	Z-SLS/CEK40/3	150687	4 / 16
3-pole	50 A	Z-SLS/CEK50/3	248246	4 / 40
3-pole	63 A	Z-SLS/CEK63/3	263160	4 / 40

With fuse monitoring Z-SLK/NEOZ (empty)

- Rated operational voltage 1-pole 60-230 VAC / 60-110 VDC
  2-pole 60-400 VAC / 60-220 VDC
  1+N, 3-pole, 3+N 60-400 VAC
- Mechanical current coding with Fuse-link set
- Lead-sealable
- Supply side from top or bottom

SG80911



1+HS	max. 63 A	Z-SLK/NEOZ/1	248238	6 / 60
2+HS	max. 63 A	Z-SLK/NEOZ/2	248239	4 / 40
3+HS	max. 63 A	Z-SLK/NEOZ/3	248240	3 / 30
3+N+HS	max. 63 A	Z-SLK/NEOZ/3+N	248241	2 / 20

Accessories for Z-SLS/NEOZ, Z-SLS/CEK, Z-SLK/NEOZ, Z-SLK/D0

Metal locking device f. 1-pole Z-SLZ/SC
Plastic locking device f. 1-pole Z-SLZ/SP
Fuse-link set with visual tripping indicator Z-SLS/B-..
Fuse-link set without visual tripping indicator Z-SLS/E-..
Plug-in Busbars ...

Fuse-link sets complete

- For Z-SLS/NEOZ, Z-SLS/CEK, Z-SLK/NEOZ, Z-SLK/D0
- 1 set consists of 3 fuse-links, 3 gauge-pieces, 1 plastic box in the color of the visual tripping indicator - to snap on DIN-rail

SG81211



	Rated Current (A)	Type Designation	Article No.	Units per package
	With visual tripping indicator Z-SLS/B, rated operational voltage 60-400 V AC			
	1	Z-SLS/B-1A	268983	1 / 12 / 120
	2	Z-SLS/B-2A	268984	1 / 12 / 120
	4	Z-SLS/B-4A	268985	1 / 12 / 120
	6	Z-SLS/B-6A	268986	1 / 12 / 120
	10	Z-SLS/B-10A	268987	1 / 12 / 120
NEW	13	Z-SLS/B-13A	289972	1 / 12 / 120
	16	Z-SLS/B-16A	268988	1 / 12 / 120
	20	Z-SLS/B-20A	268989	1 / 12 / 120
	25	Z-SLS/B-25A	268990	1 / 12 / 120
NEW	32	Z-SLS/B-32A	289973	1 / 12 / 120
	35	Z-SLS/B-35A	268991	1 / 12 / 120
NEW	40	Z-SLS/B-40A	289974	1 / 12 / 120
	50	Z-SLS/B-50A	268992	1 / 12 / 120
	63	Z-SLS/B-63A	268993	1 / 12 / 120
	With visual tripping indicator Z-SLS/B, rated operational voltage 24-60 V AC / V DC			
	1	Z-SLS/B/24-1A	268994	1 / 12 / 120
	2	Z-SLS/B/24-2A	268995	1 / 12 / 120
	4	Z-SLS/B/24-4A	268996	1 / 12 / 120
	6	Z-SLS/B/24-6A	268997	1 / 12 / 120
	10	Z-SLS/B/24-10A	268998	1 / 12 / 120
NEW	13	Z-SLS/B/24-13A	289975	1 / 12 / 120
	16	Z-SLS/B/24-16A	268999	1 / 12 / 120
	20	Z-SLS/B/24-20A	269000	1 / 12 / 120
	25	Z-SLS/B/24-25A	269001	1 / 12 / 120
NEW	32	Z-SLS/B/24-32A	289976	1 / 12 / 120
	35	Z-SLS/B/24-35A	269002	1 / 12 / 120
NEW	40	Z-SLS/B/24-40A	289977	1 / 12 / 120
	50	Z-SLS/B/24-50A	269003	1 / 12 / 120
	63	Z-SLS/B/24-63A	269004	1 / 12 / 120
	Without visual tripping indicator Z-SLS/E, rated operational voltage 400 V AC, 220 V DC			
	2	Z-SLS/E-2A	263147	1 / 12 / 120
	4	Z-SLS/E-4A	263148	1 / 12 / 120
	6	Z-SLS/E-6A	269005	1 / 12 / 120
	10	Z-SLS/E-10A	269006	1 / 12 / 120
NEW	13	Z-SLS/E-13A	289978	1 / 12 / 120
	16	Z-SLS/E-16A	269007	1 / 12 / 120
	20	Z-SLS/E-20A	269008	1 / 12 / 120
	25	Z-SLS/E-25A	269009	1 / 12 / 120
NEW	32	Z-SLS/E-32A	289979	1 / 12 / 120
	35	Z-SLS/E-35A	269010	1 / 12 / 120
NEW	40	Z-SLS/E-40A	289990	1 / 12 / 120
	50	Z-SLS/E-50A	269011	1 / 12 / 120
	63	Z-SLS/E-63A	269012	1 / 12 / 120

Solid-link Set complete

- For Z-SLS/NEOZ, Z-SLK/NEOZ, Z-SLS/CEK
- 1 set consists of 3 solid-link inserts, 3 gauge-pieces, 1 plastic box to be snapped onto DIN rail
- By installing this set, the fuse-switch-disconnector is converted into a switch-disconnector

SG81311

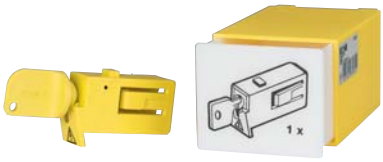


Rated Current	Type Designation	Article No.	Units per package
63 A	Z-SLS/TR-SET	100660	1 / 12 / 120

Switch-on-locking

- For Z-SLS/NEOZ, Z-SLS/CEK, Z-SLK/NEOZ, Z-SLK/D0
- Only one lock per device required

SG81011



	Type Designation	Article No.	Units per package
Plastic lock	Z-SLZ/SP	268981	1 / 12 / 120

Fuse-Switch-Disconnector D02+D01

SG80811



With visual tripping indicator Z-SLS/CB - Current coding by cartridge-ring adapter inserts

1	max. 63 A	Z-SLS/CB/1	248247	12 / 120
1+N	max. 63 A	Z-SLS/CB/1+N	167282	6 / 60
2	max. 63 A	Z-SLS/CB/2	248248	6 / 60
3	max. 63 A	Z-SLS/CB/3	248249	4 / 40
3+N	max. 63 A	Z-SLS/CB/3+N	167283	3 / 30

Accessories for Z-SLS/CB

Fuse-links Z-D0./SE-..
Cartridge-ring adapter inserts D01 Z-D02-D01/PE-..
Cartridge-ring adapter inserts D02 Z-D02/PE-..
Adapter spring D01 Z-SLS/CB-HF see chapter Accessories Fuse Devices

Adapter Spring

- For Z-SLS/CB/. for the use of fuse-links size D01

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Size	Type Designation	Article No.	Units per package
D01	Z-SLS/CB-HF	263154	12 / 288

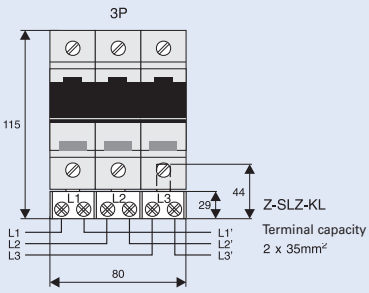
Double Terminal

- For Z-SLS/NEOZ, Z-SLS/CEK, Z-SLK/NEOZ, Z-SLK/D0

SG60212



Size	Type Designation	Article No.	Units per package
Terminal 2 x 3x35mm²	Z-SLZ/KL	268982	15 / 150



Accessories for Z-SLS

For busbar blocks and feed terminals refer to the technical part, fuse-switch-disconnector, and ordering part, busbar systems.

xPole

Switch-Disconnector-Fuse D02+D01

SG80511



Poles/Rated uninterrupted current (A)		Type Designation	Article No.	Units per package
With visual tripping indicatior and thermal monitoring D02-LTS				
3	max. 63 A	D02-LTS/63-3	114320	3 / 30
3	max. 63 A	D02-LTS/63-3-HK	114322	3 / 30
3N	max. 63 A	D02-LTS/63-3N	114321	3 / 30

- Rated operational voltage 400 VAC
- Suitable for fuse-links with operating classes gG (gL), aM
- Only 4MU in width, busbar compatible to Xpole switchgear
- Current coding with Cartridge-ring adapter inserts
- Lead-sealable
- Supply side from top or bottom
- Version D02-LTS/63-3-HK with incorporated auxiliary switch
- Delivered with Adapter Springs for fuse-links D01 or cylindrical fuse-links 10x38

Accessories for D02-LTS/63-3..

D0 Fuse-links Z-D0./SE-...
Cartridge-ring adapter inserts D01: Z-D02-D01/PE-...
D02: Z-D02/PE-...
Adadpter Spring Z-D02-LTS-HF (scope of delivery)

C Fuse-links Z-C10/SE-...
Adadpter Spring Z-D02-LTS-HF (scope of delivery)

See chapter Accessories Fuse Devices

Adadpter Spring

- To accomodate D01 fuse-links or cylindrical fuse-links 10x38 in the Switch-disconnetor-fuse D02-LTS/63...

SG81811



Rated operational current Ie (A)	Size	Type Designation	Article No.	Units per package
16 32	D02-D01 C 10x38	Z-D02-LTS-HF	114323	12 / 288

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Fuse-Disconnector (empty)

- For cylindrical fuse-links
- The visual tripping indicator indicates the tripped fuse-link
- Lead-sealable

SG00612



SG36412



Poles	Size	Type Designation	Article No.	Units per package
For industry Z-SH.				
without visual tripping indicator				
1	10x38	Z-SH/1	263876	12 / 120
1+N	10x38	Z-SH/1N	263877	12 / 120
2	10x38	Z-SH/2	263878	6 / 60
3	10x38	Z-SH/3	263879	4 / 40
3+N	10x38	Z-SH/3N	263880	4 / 40
with visual tripping indicator				
1	10x38	Z-SHL/1	263883	12 / 120
1+N	10x38	Z-SHL/1N	263884	12 / 120
2	10x38	Z-SHL/2	263885	6 / 60
3	10x38	Z-SHL/3	263886	4 / 40
3+N	10x38	Z-SHL/3N	263887	4 / 40

SG00412



Rated Current (A)	Size	Type Designation	Article No.	Units per package
For household applications Z-SI., 1-pole				
without visual tripping indicator				
10	8.5x23	Z-SI/10/1	263889	12 / 120
16	10.3x25.8	Z-SI/16/1	263890	12 / 120
20	8.5x31.5	Z-SI/20/1	263891	12 / 120
25	10.3x31.5	Z-SI/25/1	263892	12 / 120
32	10.3x38	Z-SI/32/1	263893	12 / 120
with visual tripping indicator				
20	8.5x31.5	Z-SIL/20/1	263901	12 / 120
25	10.3x31.5	Z-SIL/25/1	263902	12 / 120
32	10.3x38	Z-SIL/32/1	263903	12 / 120

SG15605



For household applications Z-SI., 1+N-pole				
without visual tripping indicator				
10	8.5x23	Z-SI/10/1N	263894	12 / 120
16	10.3x25.8	Z-SI/16/1N	263895	12 / 120
20	8.5x31.5	Z-SI/20/1N	263896	12 / 120
25	10.3x31.5	Z-SI/25/1N	263897	12 / 120
32	10.3x38	Z-SI/32/1N	263898	12 / 120
with visual tripping indicator				
20	8.5x31.5	Z-SIL/20/1N	263938	12 / 120
25	10.3x31.5	Z-SIL/25/1N	263939	12 / 120
32	10.3x38	Z-SIL/32/1N	263940	12 / 120

Accessories for Z-SH., Z-SI.

Fuse-links Z-C/SE...
see chapter Accessories Fuse Devices

Fuse-Switch-Disconnector (empty) C10-SLS, VLC

- The visual tripping indicator indicates the tripped fuse-link
- Rated operational voltage 690 VAC
- For cylindrical fuse-links with operating classes gG (gL), aM
- Lead-sealable
- Supply side from top or bottom

SG27212



Number of Poles / Size		Type Designation	Article No.	Units per package
Size 10x38 C10-SLS, Rated operational current 32 A				
without Visual Tripping Indicator				
1	10x38	C10-SLS/32/1	112220	12 / 108
1+N	10x38	C10-SLS/32/1N	112221	12 / 108
2	10x38	C10-SLS/32/2	112222	6 / 54
3	10x38	C10-SLS/32/3	112223	4 / 36
3+N	10x38	C10-SLS/32/3N	112224	4 / 36
with Visual Tripping Indicator				
1	10x38	C10-SLS/32/1-L	112225	12 / 108
1+N	10x38	C10-SLS/32/1N-L	112226	12 / 108
2	10x38	C10-SLS/32/2-L	112227	6 / 54
3	10x38	C10-SLS/32/3-L	112228	4 / 36
3+N	10x38	C10-SLS/32/3N-L	112229	4 / 36

SG29112



Size 14x51 VLC14, Rated operational current 50 A				
without Visual Tripping Indicator				
1	14x51	VLC14-1P	285361	12 / 96
1+N	14x51	VLC14-1P+N	285362	6 / 48
2	14x51	VLC14-2P	285363	6 / 48
3	14x51	VLC14-3P	285364	4 / 32
3+N	14x51	VLC14-3P+N	285365	3 / 24
with Visual Tripping Indicator				
1	14x51	VLC14-1P/L	285371	12 / 96
2	14x51	VLC14-2P/L	285373	6 / 48
3	14x51	VLC14-3P/L	285374	4 / 32

SG43612



Size 22x58 VLC22, Rated operational current 100 A				
without Visual Tripping Indicator				
1	22x58	VLC22-1P	285366	3 / 105
1+N	22x58	VLC22-1P+N	285367	2 / 48
2	22x58	VLC22-2P	285368	2 / 48
3	22x58	VLC22-3P	285369	1 / 35
3+N	22x58	VLC22-3P+N	285370	1 / 24
with Visual Tripping Indicator				
1	22x58	VLC22-1P/L	285376	3 / 105
2	22x58	VLC22-2P/L	285378	2 / 48
3	22x58	VLC22-3P/L	285379	1 / 35

Accessories for C10-SLS, VLC14, VLC22

Fuse-links Z-C10/SE...
Z-C14/SE...
Z-C22/SE...
see chapter Accessories Fuse Devices

Fuse-Disconnector (empty) FCFDC10DI-..-SOL

- String protection of PV generator
- The visual tripping indicator indicates the tripped fuse-link
  50-400 V flashing
  400-1000 V permanent light
- Rated operational voltage 1000 VDC
- For cylindrical fuse-links photovoltaic application
- Lead-sealable

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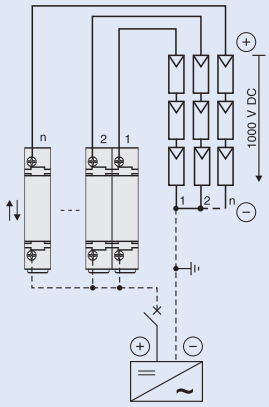


Number of Poles / Size		Type Designation	Article No.	Units per package
Size 10x38 FCFDC10DI, Rated operational current 25 A DC				
without Visual Tripping Indicator				
1	10x38	FCFDC10DI-1-SOL	137256	12 / 108
2	10x38	FCFDC10DI-2-SOL	137257	6 / 54
with Visual Tripping Indicator				
1	10x38	FCFDC10DI-1L-SOL	137258	12 / 108
2	10x38	FCFDC10DI-2L-SOL	137259	6 / 54

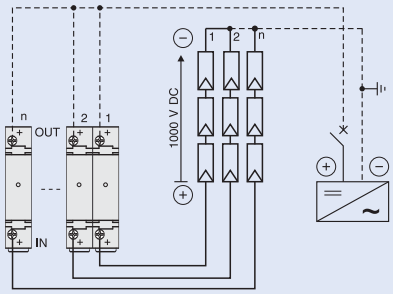
Application Photovoltaic

Earthed System

FCFDC10DI-1-SOL

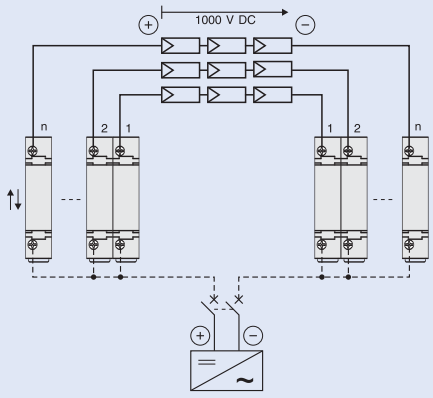


FCFDC10DI-1L-SOL

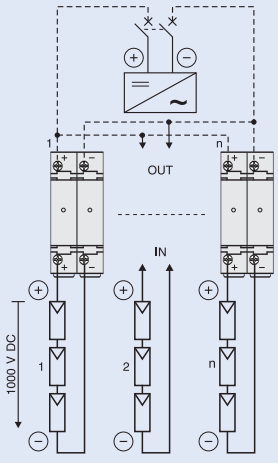


Unearthed System

FCFDC10DI-1-SOL



FCFDC10DI-2L-SOL



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Rated Operational Current Ie (A)	Rated Voltage Ue (V AC)	Size	Width	Utilisation	**Designation** Article No.	Notes	Units per Package

Slide Fuse-Base D02 (+D01)

- Incl. shock hazard protection cover with front and bottom plate and marking label
- Delivered empty, without screw caps

SG82411



max. 63	400	E18, D02	27	12 x 5/10 20 x 5/10 25 x 5/10	**D02-SO/63/3-R-27** 114315	Cartridge-ring adapter insert	10
			36	30 x 5/10 Double-T	**Z-D02/R/3-36** 100663	Cartridge-ring adapter insert	10
			54		**Z-D02/R/3-54** 100664	Cartridge-ring adapter insert	10

Cover

SG60412



Set for covering busbar support			36	D02	**Z-D02-S-AB-SET** 100662	Suitable for D02-SO/63/3-R-27	10

Switch-Disconnector-Fuse D02 (+D01)

- Incl. shock hazard protection cover with front and bottom plate
- Delivered empty, without screw caps

SG45912



max. 63	400	E18, D02	36	20 x 5/10 30 x 5/10 Double-T	**D02-S/63/3-RS** 284649	Cartridge-ring adapter insert	10

Accessories for D02-Type Slide Fuse-Base and D02-S/63/3-RS

Fuse-links Z-D0./SE...
Cartridge-ring adapter inserts D01 Z-D02-D01/PE...
Cartridge-ring adapter inserts D02 Z-D02/PE... see chapter Accessories Fuse Devices
Screw cap D02 Z-D02/SK
Adapter Spring D01 Z-D02-SIKA/HF

Screw Cap

SG11205



63	400	E18, D02	–	D02-SO...	**Z-D02/SK** 100651	–	20/500

Adapter Spring

- To accommodate D01 fuse-links in Z-D02/SK screw caps

wa_sg02612



16	–	D02-D01	–	–	**Z-D02/SIKA-HF** 263149	–	50/3000

xPole

Rated Operational Current Ie (A)	Rated Voltage Ue (V AC)	Size	Width	Utilisation	**Designation** Article No.	Notes	Units per Package

Switch-Disconnector-Fuse D02 (+D01) + C

- Visiual tripping indicator is flashing
- Delivered empty, without cartridge-ring adapter inserts and fuse-links
- Delivered with adapter springs for fuse-links D01 or cylindrical fuse-links 10x38
- Contact position indicator red - green
- Plug-in technique without screw caps
- All-pole and hand independent switching of load
- Version D02-LTS/63/3-R-HK with incorporated auxliliary switch
- Lead-seal- and lockable

3P

SG82311



max. 63 max. 32	400 400	E18, D02 C 10x38	27	12 x 5/10 15 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**D02-LTS/63/3-R** 114316	Cartridge-ring adapter insert without auxiliary switch	3
					D02-LTS/63/3-R-HK 114318	Cartridge-ring adapter insert with auxiliary switch	3

3P+N

SG82211



max. 63 max. 32	400 400	E18, D02 C 10x38	27	12 x 5/10 15 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**D02-LTS/63/3N-R** 114317	Cartridge-ring adapter insert without auxiliary switch	3
					D02-LTS/63/3N-R-HK 114319	Cartridge-ring adapter insert with auxiliary switch	3

Accessories for D02-LTS/63..

D0 Fuse-links Z-D0./SE-...
Cartridge-ring adapter inserts D01: Z-D02-D01/PE-...
D02: Z-D02/PE-...
Adapter spring Z-D02-LTS-HF (scope of delivery)

C Fuse-links Z-C10/SE-...
Adapter spring Z-D02-LTS-HF (scope of delivery)

See chapter Accessories Fuse Devices

Adapter Spring

- to accommodate D01 fuse-links or cylindrical fuse-links 10x38 in the Switch-disconnector-fuse D02-LTS/63...

SG81811



16 32	–	D02-D01 C 10x38	–	–	**Z-D02-LTS-HF** 114323	–	12 / 288

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Rated Operational Current Ie (A)	Rated Voltage Ue (V AC)	Size	Width	Utilisation	**Designation** Article No.	Notes	Units per Package

Slide Fuse-Base DII and DIII

- Incl. shock hazard protection cover with front and bottom plate and marking label
- Delivered empty, without fuse carriers

wa_sg01112



max. 25	500	E27, D II	45	12 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**DII-SO/25/3-R** 107965	Gauge ring	10
					DII-SO/25/3-R-PS 110394	Screw-in gauge ring	10

wa_sg01212



max. 63	690	E33, D III	54	12 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**DIII-SO/63/3-R** 107966	Gauge ring	10
					DIII-SO/63/3-R-PS 110395	Screw-in gauge ring	10

Cover

SG04407



Side cover				DII.	**SBS-RS60** 060541	Suitable for DII.-SO/.../3-R	10

Screw caps

SG11205

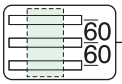


25	500	E27, D II	–	DII-SO...	**Z-DII/SK** 112148	–	50/600
63	500	E33, D III	–	DIII-SO...	**Z-DIII/SK** 112149	–	30/360
63	690	E33, D III	–	DIII-SO...	**Z-DIII/SK-690** 118904	–	3

Accessories for DII.-SO...

Fuse-links Z-DII./SE...
Gauge rings Z-DII./PE-...
Screw-in gauge rings Z-DII./PS-... see chapter Accessories Fuse Devices

xPole

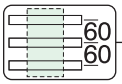


NH

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
NH-Fuse-Switch-Disconnector							
• Incl. shock hazard protection at the top and bottom (except with GST00-160-40-60-AOU, GST00-160-40-60-AOU-F) • Drill-free mounting							
SG45812 							
100	100	–	000	20 x 5/10 30 x 5/10 Double-T	**LTS-100/C00/3-R** 284690	Width 63 mm. Connection at the bottom. Lift terminal 1.5-50mm^2	1
SG45712 							
160	160	100	00	20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**GST00-160-40-60-AOU** 224550	Connection at the top or bottom. Lift Terminal 1.5-50mm^2 No shock hazard	1
For ordering information on shock hazard protection BS-SET-GST00 see “Accessories” protection.							
SG45612 							
160	160	100	00	20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**GST00-160-40-60-AOU-F** 149418	Connection at the top or bottom. Screw M8.	1
For ordering information on shock hazard protection BS-SET-GST00 see “Accessories” protection.							
SG46512 							
250	250	200	1	20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**GST1-AO** 107250	Connection at the top. Screw M10.	1
					GST1-AU 107251	Connection at the bottom. Screw M10.	1
SG46412 							
400	400	315	2	20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**GST2-AO** 107252	Connection at the top. Screw M10.	1
					GST2-AU 107253	Connection at the bottom. Screw M10.	1
SG46212 							
630	630	500	3	20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**GST3-AO** 107254	Connection at the top. Screw M10.	1
					GST3-AU 107255	Connection at the bottom. Screw M10.	1
Accessories for NH-Fuse-Switch-Disconnector							
Shock Hazard Protection Set GST00							
wa_sg02912 							
–	–	–	–	GST00...	**BS-SET-GST00** 107955	1 set includes shock hazard protection at the top and bottom.	1
For NH-fuse-links Z-NH... and solid-links Z-NH-../TR see chapter Accessories Fuse Devices.							

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NH

Rated Operational Voltage	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
Switch cover with Fuse Monitoring for NH-Fuse-Switch-Disconnector					
• Operating indication 1 green LED Error indication 3 red LEDs (F1, F2, F3) • Error indication via relay contacts (potential-free) 1 NO + 1 NC contact AC15: 24 V / 4 A, 230 V / 3 A AC13: 24 V / 1 A, 220 V / 0.5 A Terminal capacity: 0.25 - 1.5 mm²					
wa_sg01312 					
400-690 V / 50-60 Hz	00	GST00...	**GST00-DSI** 107956		1
	1	GST1...	**GST1-DSI** 107957		1
	2	GST2...	**GST2-DSI** 107958		1
	3	GST3...	**GST3-DSI** 107959		1

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Set of Prism Terminals				
wa_vt00406 				
70-150 mm²	GST1...	**PSK1** 038734	One set includes 3 prism terminals	1
120-240 mm²	GST2...	**PSK2** 043480	One set includes 3 prism terminals	1
120-300 mm²	GST3...	**PSK3** 048226	One set includes 3 prism terminals	1
Set of Double-Prism Terminals				
wa_vt00506 				
2x(70-95) mm²	GST1...	**PSK12** 041107	One set includes 3 double-prism terminals	1
2x(120-150) mm²	GST2...	**PSK22** 045853	One set includes 3 double-prism terminals	1
2x(120-240) mm²	GST3...	**PSK32** 050599	One set includes 3 double-prism terminals	1
Clamp-Type Terminal				
wa_vt00306 				
1.5-70 mm²	GST00	**SK00-GS** 149419		3
25-150 mm² Cu-Band 6 x 16 x 0.8 mm	GST1...	**SK1-GS** 107960		3
25-240 mm² Cu-Band 10 x 16 x 0.8 mm	GST2...	**SK2-GS** 107961		3
25-300 mm² Cu-Band 11 x 21 x 1 mm	GST3...	**SK3-GS** 107962		3

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Rated Operational Voltage	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
Compensation Covers for Cu-front distance 60 mm					
SG21407	00	GST00-160-40-60-AOU	**Z-GST00-AB/60** 119009		1
SG21307	1	GST1-AO GST1-AU	**Z-GST1-AB/60** 119010		1
SG21207	2	GST2-AO GST2-AU	**Z-GST2-AB/60** 118903		1

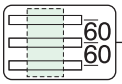
A part of black plastic cover of NH-fuse-switch-disconnector GST2 has to be broken off (predetermined breaking point) before mounting compensation cover Z-GST2-AB/60.

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation		Designation Article No.	Notes	Units per Package
NH-Fuse-Switch-Disconnector								
• Delivered with clamp straps Z-LTS-160-BK at LTS-160/00/3-R • LTS-160/00/3E-R allows to overbuilt busbar supports • Drill-free mounting								
SG45812 								
100	100	–	000	20 x 5/10 30 x 5/10 Double-T		**LTS-100/C00/3-R** 284690	Width 63 mm. Connection at the bottom. Lift terminal 1.5-50mm^2	1
SG45512 								
160	160	100	00	12 x 5/10 15 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	NEW	**LTS-160/00/3E-R** 120603	Connection at the top or bottom. Lift terminal 2.5-70mm^2	1 / 3
						LTS-160/00/3-R 263122	Connection at the top or bottom. Clamp Straps Terminal 4-70mm^2 or screw M8	1 / 3
For ordering information on shock hazard protection Z-LTS-00/3-R-AB see “Accessories” protection.								
SG46712 								
250	250	200	1	20 x 5/10 25 x 5/10 30 x 5/10		**LTS-250/1/3-R** 269348	Connection at the top or bottom. Screw M10.	1 / 32
SG46712 								
400	400	315	2	20 x 5/10 25 x 5/10 30 x 5/10		**LTS-400/2/3-R** 284648	Connection at the top or bottom. Screw M10	1 / 20
Accessories for NH-Fuse-Switch-Disconnector								
Shock Hazard Protection Set Z-LTS-00/3-R-AB								
wa_sg03012 								
–	–	–	00	LTS-160/00/3-R		**Z-LTS-00/3-R-AB** 263124	Protection at the top/bottom.	2 / 30
For NH-fuse-links Z-NH... and solid-links Z-NH-../TR see chapter Accessories Fuse Devices.								
Terminal cover Z-LTS-00/3-KA								
wa_sg03112 								
–	–	–	00	LTS-160/00/3-R		**Z-LTS-00/3-KA** 263126	–	4 / 80

xPole

Accessories for NH-Fuse-Switch-Disconnector

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Clamp Straps				
wa_sg02312 				
4-70 mm² Cu	LTS-160/00/3-R	**Z-LTS-160-BK** 286812	3 Clamp Straps per device	3 / 180
70-150 mm² Cu/Al 18x10 mm Cu flat	LTS-250/1/3-R	**Z-LTS-250-BK** 286812	3 Clamp Straps per device	3 / 180
V-shaped terminal Z-LTS-..-V				
• 70 mm² Sm (sectorial stranded) • 95 mm² Se (sectorial solid)				
wa_sg02412 				
V-shaped terminal lug size 00	LTS-160/00/3-R	**Z-LTS-00-V-LA** 263130	–	3 / 180
V-shaped terminal size 00		**Z-LTS-00-V-KL** 263128	–	3 / 180
V-cover cap size 00		**Z-LTS-00-V-KLA** 263132	–	3 / 180
• 185 mm² Sm (sectorial stranded) • 240 mm² Se (sectorial solid)				
V-shaped terminal lug	LTS-250/1/3-R LTS-400/2/3-R LTS-630/3/3-R	**Z-LTS-V-LA** 263129	–	3 / 180
V-shaped terminal		**Z-LTS-V-KL** 263127	–	3 / 180
V-cover cap		**Z-LTS-V-KLA** 263131	–	3 / 180
Compensation covers for the heights balancing the NH-fuse-switch-disconnectors				
SG47312 				
70				
Cover level to Cu-front distance: 70 mm	LTS-160/00/3(E)-R	**Z-LTS-160-AB/70** 288901	2 per device	1
	LTS-250/1/3-R	**Z-LTS-250-AB/70** 288902	2 per device	2
	LTS-400/2/3-R	**Z-LTS-400-AB/70** 288903	2 per device	2
90				
Cover level to Cu-front distance: 90 mm	LTS-160/00/3(E)-R	**Z-LTS-160-AB/90** 288904	2 per device	1
	LTS-250/1/3-R	**Z-LTS-250-AB/90** 288905	2 per device	2
	LTS-400/2/3-R	**Z-LTS-400-AB/90** 288906	2 per device	2
	LTS-630/3/3-R	**Z-LTS-630-AB/90** 288907	2 per device	2
Lateral cover for LTS, LTS-L				
SG16005 				
In connection with the compensation covers they serve as support for the front plate, as well as electric shock protection	LTS-L... LTS...	**Z-LTS-SAB/70-90** 288908		2



NH

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
NH-Vertical Fuse-Switch-Disconnector, 3-pole							
• Incl. terminal cover • Drill-free mounting • Clamp straps included in the delivery							
Without fuse monitoring							
160	160	160	00	12 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**NH-SLS-00/160-60** 106211	Connection at the top or bottom	1 / 182
With fuse monitoring							
160	160	–	00	12 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 Double-T	**NH-SLS-00/160-60-SI** 106216	Connection at the top or bottom	1 / 112
Teminal Cover/Size Compensation for GST.../LTS...							
For NH-SLS-00/160-60					**Z-NH-SLS-KA** 106223		2

SG46912



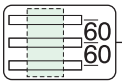
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For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

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NH

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package

NH-Vertical Fuse-Switch-Disconnector, 3-pole

- Incl. terminal cover
- Drill-free mounting
- Clamp straps included in the delivery

wa_sg02212



160	160	100	00	20 x 10 25 x 10 30 x 10	**LTS-L/160/00-60-10-R** 289997	Connection at the top or bottom. Clamp strap 4-70mm^2 or screw M8.	1 / 100

Accessories for NH-Vertical Fuse-Switch-Disconnector

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Compensation covers for combination with NH-fuse-switch-disconnectors LTS				
70				
Cover level to Cu-front distance: 70 mm	LTS-L/160/00-60-10-R	**Z-LTS-L/160-AB/70-SET** 289995	1 set	1
90				
Cover level to Cu-front distance: 90 mm	LTS-L/160/00-60-10-R	**Z-LTS-L/160-AB/90-SET** 289996	1 set	1
Lateral cover for LTS, LTS-L				

SG16005



In connection with the compensation covers they serve as support for the front plate, as well as electric shock protection	LTS-L... LTS...	**Z-LTS-SAB/70-90** 288908		2
Clamp Straps				

wa_sg02312



4-70 mm^2 Cu	LTS-L/160/00-60-10-R	**Z-LTS-160-BK** 286812	3 Clamp Straps per device	3 / 180
Screws				

Wa_sg02702



M8 16-70 mm^2 Cu 16-95 mm^2 Al	LTS-L/160/00-60-10-R	**Z-LTS-SC** 263119	3 screws per device	3 / 180

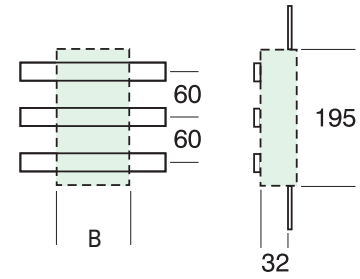
For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

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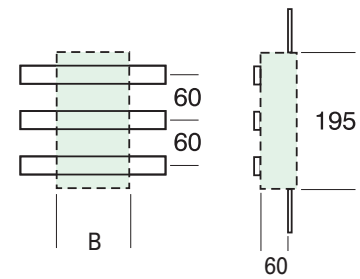
Coordination Tables

- Combinations possible without bending the copper busbar

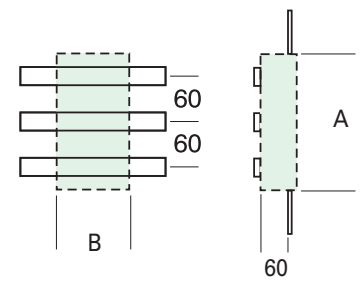




	Device	GST-00-160-40-60-AOU	LTS-100/C00/3-R	D02-S/63/3-RS	D02-LTS/63/3-R(-HK)	D02-SO/63/3-R-27 Z-D02/R/3-..	DII-SO/25/3-R(-PS)	DIII-SO/63/3-R(-PS)
	Accessory	BS-SET-GST00					SBS-RS60	SBS-RS60
Cu	12x5/10				X	X	X	X
	20x5/10	X	X	X	X	X	X	X
	25x5/10	X			X	X	X	X
	30x5/10	X	X	X	X	X	X	X
	Double-T	X	X	X	X	X	X	X
B [mm]		106	63	36	27	27 36-54	45	54



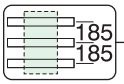
	Device	GST-00-160-40-60-AOU	LTS-100/C00/3-R	D02-LTS/63/3-R(-HK)
	Accessory	BS-SET-GST00		
Cu	12x5/10			X
	20x5/10	X	X	X
	25x5/10	X		X
	30x5/10	X	X	X
	Double-T	X	X	X
B [mm]		106	63	27



	Device	GST2-AO GST2-AU	GST1-AO GST1-AU	GST-00-160-40-60-AOU	LTS-100/C00/3-R	D02-LTS/63/3-R(-HK)
	Accessory	Z-GST2-AB/60	Z-GST1-AB/60	Z-GST00-AB/60 BS-SET-GST00		
Cu	12x5/10					X
	20x5/10	X	X	X	X	X
	25x5/10	X	X	X		X
	30x5/10	X	X	X	X	X
	Double-T	X	X	X	X	X
A [mm]		278	278	195-210	195	195
B [mm]		236	205	115	63	27

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NH

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package

NH-Vertical Fuse-Switch-Disconnector, 3-pole

- Incl. terminal cover
- Drill-free mounting thanks to terminal clamps
- Scope of delivery NH-SLS-00/160(-SI): incl. clamp straps
  NH-SLS sizes 1, 2, 3: no terminal clamps included, no clamp straps included
- Busbar mounting
  Size 00: NH-SLS-00/160(-SI) distance 100 mm, screw-mounting / drill-free mounting optional
  Sizes 1, 2, 3: distance 185 mm, screw-mounting / drill-free mounting

Without fuse monitoring

SG46912



NH-SLS-00/160

160	160	160	00	Z-NH-SLS-00-SAD...	**NH-SLS-00/160** 106210	Connection at the top or bottom	1 / 182
250	250	250	1	screwed 30 x 5/10 40 x 5/10 50 x 5/10	**NH-SLS-1/250** 106212	Connection at the top or bottom	1 / 41
400	400	400	2	60 x 5/10 80 x 5/10 100 x 5/10 120 x 5/10	**NH-SLS-2/400** 106213		1 / 41
630	630	630	3	terminal clamps 30 x 10 40 x 10 50 x 10 60 x 10 Double-T	**NH-SLS-3/630** 106214		1 / 41

With fuse monitoring

wa_sg01912

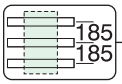


160	160	–	00	Z-NH-SLS-00-SAD...	**NH-SLS-00/160-SI** 106215	Connection at the top or bottom	1 / 112
250	250	–	1	screwed 30 x 5/10 40 x 5/10 50 x 5/10 60 x 5/10 80 x 5/10 100 x 5/10 120 x 5/10	**NH-SLS-1/250-SI** 106217	Connection at the top or bottom	1 / 38
400	400	–	2	terminal clamps 30 x 10 40 x 10 50 x 10	**NH-SLS-2/400-SI** 106218		1 / 38
630	630	–	3	60 x 10 Double-T	**NH-SLS-3/630-SI** 106219		1 / 38

For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

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NH

Accessories for NH-Vertical Fuse-Switch-Disconnector

Terminal Capacity	Utilisation	**Designation** Article No.	Units per Package
Adapters			
Single adapter 100/185	... x 5/10	**Z-NH-SLS-00-SAD** 1 106220	
Double adapter 100/185	... x 5/10	**Z-NH-SLS-00-SADD** 106221	1
Adapter for drill-free mounting			
Single adapter 100/185	... x 10	**Z-NH-SLS-00-SAD-KR** 106222	1
Terminals clamps			
for bottom connection	NH-SLS Size 1, 2, 3	**Z-NH-SLS-KRU** 106224	3
for top connection	NH-SLS Size 1, 2, 3	**Z-NH-SLS-KRO** 106225	3
Terminal cover/Size compensation to NH-SLS size 1, 2, 3			
	NH-SLS-00/160	**Z-NH-SLS-KA** 106223	2
V-Connection terminals	**-240mm² sm / -300 mm² se**		
	NH-SLS, Size 1, 2	**Z-NH-SLS-1+2-VAK** 106226	3
	NH-SLS, Size 3	**Z-NH-SLS-3-VAK** 106227	3
Extension for connection of 2 cable lugs			
	Size 1, 2	**Z-NH-SLS-1+2-AE** 1 106239	
	Size 3	**Z-NH-SLS-3-AE** 106240	1
Supports with DIN-rail for terminals, etc. ...			
Bottom part	Size 1, 2, 3	**Z-NH-SLS-1+2+3-GT** 106230	1
Cover	Size 1, 2, 3	**Z-NH-SLS-1+2+3-GTAB** 106231	1

wa_sg06206



Z-NH-SLS-00-SAD

SG00706



wa_sg01712



wa_sg06706



wa_sg06806



wa_sg07106



Z-NH-SLS-1+2+3-GT

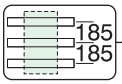
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Z-NH-SLS-1+2+3-GTAB

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NH

Accessories for NH-SLS

Current transformer

NH-SLS-00

- On Z-NH-SLS-00-SAD ... to be fixed with fastening clip Z-NH-SLS-00-BC

NH-SLS size 1, 2, 3

- To be placed in the standard vertical fuse-switch-disconnector - no additional space required
- Terminal clamp mounting is possible just the same
- Use Z-NH-SLS-1+2+3-BC fastening clips to fix the current transformer wires
- Supports for transformer terminals are available
  See accessories for NH-SLS size 1, 2, 3

wa_sg06906



Ratio	Acc.-Class	Rat. apparent power	Type Designation	Article No.	Units per package
150/5 A	1	3 VA	Z-WAS-150/5A-1	106232	3
200/5 A	1	4 VA	Z-WAS-200/5A-1	106233	3
250/5 A	1	4 VA	Z-WAS-250/5A-1	106234	3
300/5 A	1	5 VA	Z-WAS-300/5A-1	106235	3
400/5 A	1	5 VA	Z-WAS-400/5A-1	106236	3
500/5 A	1	5 VA	Z-WAS-500/5A-1	106237	3
600/5 A	1	5 VA	Z-WAS-600/5A-1	106238	3

wa_sg06606



Z-NH-SLS-00-BC

wa_sg07006



Z-NH-SLS-1+2+3-BC

Description	Type Designation	Article No.	Units per package
Fastening clips for current transformer on the busbar adapter of the 185 mm-busbar system (size 00)	Z-NH-SLS-00-BC	106229	3
(Transformer) wires to be fixed at the back of the NH-vertical fuse-switch-disconnector size 1, 2, 3	Z-NH-SLS-1+2+3-BC	106228	100

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NH In-line Fuse Switch Disconnectors, 3 poles, FCFSDNH

- Incl. cover for connection area
- Mounting without the need of drilling (Accessories)
- Connection either at the top or at the bottom

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
Center-to-center distance of 100 mm between the phases - size 00							
SG09310 							
160	160	160	00		**FCFSDNH00BB100** 149430	Connection at the top or at the bottom	1
Center-to-center distance of 100 mm between the phases - size 00 - for installing current transformers							
• Equipped with spacer pins for retro-fitting of current transformers if ever the need should araise							
160	160	160	00		**FCFSDNH00BB100-CTO** 149431	Connection at the top or at the bottom	1
Center-to-center distance of 185 mm between the phases - size 1 to size 3							
SG09410 							
250	250	250	1		**FCFSDNH1BB185** 149436	Connection at the top or at the bottom	1
400	400	400	2		**FCFSDNH2BB185** 149437		1
630	630	630	3		**FCFSDNH3BB185** 149438		1
Center-to-center distance of 185 mm between the phases - size 1 to size 3 - for installing current transformers							
• Equipped with spacer pins for retro-fitting of current transformers if ever the need should araise							
250	250	250	1		**FCFSDNH1BB185-CTO** 149439	Connection at the top or at the bottom	1
400	400	400	2		**FCFSDNH2BB185-CTO** 149440		1
630	630	630	3		**FCFSDNH3BB185-CTO** 149441		1

Accessories for NH In-line Fuse Switch Disconnectors

Terminal Capacity	Utilisation	Designation Article No.	Units per Package
Double adapter to adjust the center-to-center distance between the phases from 100 to 185 mm			
SG10010  Adpater for fixing two strips of size 00 on a busbar of 185 mm		**ASNH100BABB100** 149454	1
Adapter clip to adjust the center-to-center distance between the phases from 100 to 185 mm			
SG10910  Clip for fixing one stip of size 00 on a busbar of 185 mm		**ASNH100ACBB100** 149455	1
Busbar Terminal Size 00			
SG10610  For mounting the NH in-line fuse switch disconnector without the need of drilling Size 00 for a busbar thickness of 5 - 10 mm		**ASNH100CT** 149457	15
Compensation Cover			
SG09710  For height adjustment of a size 00 strip to a strip of size 1 to size 3		**ASNH185CP100** 149458	1
Prism Terminal			
SG11110 		**ASPT70** 149456	3
Connection Set			
SG11210  Set for 2 cable lugs suitable for a strip of 185 mm size 1-3		**ASNH185** 149459	1
Connection Assembly Kit - consisting of 3 different items • for parallel switching of 2 strips of size 2 or 3			
SG11010  Handle connection		**ASNH185HCK** 149460	10
SG10710  Busbar kit		**ASNH185RK** 149461	1
SG09910  Cover for connection area		**ASNH185CP** 149462	1

Accessories for NH In-line Fuse Switch Disconnectors

Current transformer for 100 mm center-to-center distance between the phases

SG00611



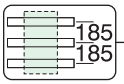
Transformation	G Class	Rated Apparent Power	Type Designation	Article No.	Units per package
100/5 A	0,5	1 VA	ASCNH100CT100-5-05	149432	3
150/5 A	0,5	1,5 VA	ASCNH100CT150-5-05	149433	3
100/5 A	1	1,5 VA	ASCNH100CT100-5-1	149434	3
150/5 A	1	2,5 VA	ASCNH100CT150-5-1	149435	3

Current transformer for 185 mm center-to-center distance between the phases

SG00611



Transformation	G Class	Rated Apparent Power	Type Designation	Article No.	Units per package
150/5 A	0,5	1,5 VA	ASCNH185CT150-5-05	149442	3
250/5 A	0,5	2,5 VA	ASCNH185CT250-5-05	149443	3
300/5 A	0,5	2,5 VA	ASCNH185CT300-5-05	149444	3
400/5 A	0,5	2,5 VA	ASCNH185CT400-5-05	149445	3
500/5 A	0,5	2,5 VA	ASCNH185CT400-5-05	149446	3
600/5 A	0,5	2,5 VA	ASCNH185CT600-5-05	149447	3
150/5 A	1	2,5 VA	ASCNH185CT150-5-1	149448	3
250/5 A	1	3,75 VA	ASCNH185CT250-5-1	149449	3
300/5 A	1	3,75 VA	ASCNH185CT300-5-1	149450	3
400/5 A	1	5 VA	ASCNH185CT400-5-1	149451	3
500/5 A	1	5 VA	ASCNH185CT500-5-1	149452	3
600/5 A	1	5 VA	ASCNH185CT600-5-1	149453	3



NH

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
NH-Vertical Fuse-Switch-Disconnector, 3-pole							
• Incl. terminal cover • Drill-free mounting thanks to terminal clamps • Scope of delivery LTS-L/160/00: incl. terminal clamps and clamp straps LTS-L/160/00/3-L: type with lift terminals 70 mm² and terminal clamps LTL-L sizes 1, 2, 3: no terminal clamps included, no clamp straps included • Busbar mounting Size 00: LTS-L/160/00... distance 100 mm, drill-free mounting / optional screw-mounting Sizes 1, 2, 3: distance 185 mm, screw-mounting / optional drill-free mounting							
wa_sg02212 							
160	160	160	00	Z-LTS-L./00-SAD.	**LTS-L/160/00** 269349	Connection at the top or bottom. Clamp straps 4-70 mm² or screw M8.	1 / 100
					LTS-L/160/00/3-L 120600	Connection at the top or bottom. Lift terminal 2.5-70 mm².	1 / 100
SG57312 							
250	250	200	1	screwed 30 x 5/10 40 x 5/10 50 x 5/10 60 x 5/10 80 x 5/10	**LTS-L/250/1** 269350	Connection at the top or bottom. Screw M10.	1 / 33
400	400	315	2		**LTS-L/400/2** 269351	Screw M12.	1 / 33
630	630	500	3	terminal clamps 30 x 5/10 40 x 5/10 50 x 5/10 60 x 5/10 80 x 5/10	**LTS-L/630/3** 269352	Screw M12.	1 / 33

Accessories for NH-Vertical Fuse-Switch-Disconnector

wa_sg01202 

Z-LTS-LG/00-SAD

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Adapters				
Single adapter 100/185	LTS-L/160/00...	**Z-LTS-LG/00-SAD** 263118	Cu...x5/10	1
Double adapter 100/185	LTS-L/160/00...	**Z-LTS-L/160-SADD** 286815	Cu...x5/10	1
Adapter for drill-free mounting				
Single adapter 100/185	LTS-L/160/00...	**Z-LTS-L/160-SAD-KR** 286814	Cu...x5/10	1
Double adapter 100/185	LTS-L/160/00...	**Z-LTS-L/160-SADD-KR** 286816	Cu...x5/10	1

For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

xPole

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Accessories for NH-Vertical Fuse-Switch-Disconnector

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Terminals clamps				
SG00706 				
for drill-free mounting	LTS-L/160/00...	**Z-LTS-LG/00-KR** 263153	3 terminal clamps per device	3 / 180
	LTS-L Size 1, 2, 3	**Z-LTS-L-KR** 269353		3 / 90
Terminal cover/Size compensation to LTS-L size 1, 2, 3				
	LTS-L/160/00...	**Z-LTS-L-KA** 286817		2 / 40
Extension for connection of 2 cable lugs				
SG08508 				
Cable lugs 2x240 mm^2	Size 1, 2, 3	**Z-NH-AE** 120601	for phase L3	1
Clamp Straps				
wa_sg02312 				
4-70 mm^2 Cu	LTS-L/160/00	**Z-LTS-160-BK** 286812	3 Clamp Straps per device	3 / 180
Screws				
Wa_sg02702 				
M8 16-70 mm^2 Cu 16-95 mm^2 Al	LTS-L/160/00	**Z-LTS-SC** 263119	3/6 screws per device	3 / 180
For mounting onto adapter Z-LTS-L...-SAD...	LTS-L/160/00...			

xPole

NH-Vertical Fuse-Switch-Disconnector, 3-pole

- LTS-L/160/00... drill-free mounting / optional screw-mounting
- LTS-... drill-free mounting onto Z-LTS-...SAD-KR

3P

wa_sg02212



Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
160	160	160	00	12 x 5/10 20 x 5/10 30 x 5/10 Double-T	**LTS-L/160/00** 269349	Connection at the top or bottom. Clamp straps 4-70 mm^2 or screw M8.	1 / 100
					LTS-L/160/00/3-L 120600	Connection at the top or bottom. Lift terminal 2.5-70 mm^2.	1 / 100

SG46812



250	250	200	1	Z-LTS-250-SAD/100-KR	**LTS-250/1/3** 269140	Connection at the top or bottom. Screw M10.	1 / 42

SG46712



400	400	315	2	Z-LTS-400-SAD/100-KR	**LTS-400/2/3** 284647	Connection at the top or bottom. Screw M10.	1 / 25
630	630	500	3	Z-LTS-630-SAD/100-KR	**LTS-630/3/3** 284691	Connection at the top or bottom. Screw M12.	1 /20

Accessories for NH-Fuse-Switch-Disconnector

NEW

SG07808



Busbar Adapter 3-pole, Z-LTS-...-SAD/100-KR

Description	Utilisation	**Designation** Article No.	Notes	Units per Package
Drill-free mounting on busbar system 100 mm 15 x 5/10 20 x 5/10 25 x 5/10 30 x 5/10 40 x 5/10 50 x 5/10 60 x 5/10	LTS-250/1/3	**Z-LTS-250-SAD/100-KR** 120604	Connection at the top or bottom.	1
	LTS-400/2/3	**Z-LTS-400-SAD/100-KR** 120605		1
	LTS-630/3/3	**Z-LTS-630-SAD/100-KR** 120606		1

For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

Accessories for NH-Fuse-Switch-Disconnector

Clamp Straps

wa_sg02312



Description	Utilisation	Designation Article No.	Notes	Units per Package
4-70 mm² Cu	LTS-L/160/00	**Z-LTS-160-BK** 286812	3 Clamp Straps per device	3 / 180
70-150 mm² Cu/Al 18x10 mm Cu flat	LTS-250/1/3	**Z-LTS-250-BK** 286812	3 Clamp Straps per device	3 / 180

V-shaped terminal Z-LTS-...-V

- 185 mm² Sm (sectorial stranded)
- 240 mm² Se (sectorial solid)

wa_sg02412



V-shaped terminal lug	LTS-250/1/3 LTS-400/2/3 LTS-630/3/3	**Z-LTS-V-LA** 263129	–	3 / 180
V-shaped terminal		**Z-LTS-V-KL** 263127	–	3 / 180
V-cover cap		**Z-LTS-V-KLA** 263131	–	3 / 180

Screws

Wa_sg02702



M8 16-70 mm² Cu 16-95 mm² Al	LTS-L/160/00	**Z-LTS-SC** 263119	3 screws per device	3 / 180

Compensation covers for the heights balancing the NH-fuse-switch-disconnectors

70

Cover level to Cu-front distance: 70 mm	LTS-L/160/00...	**Z-LTS-L/160-AB/70-SET** 289995	1 set	1
	LTS-250/1/3	**Z-LTS-250-AB/70** 288902	2 per device	2
	LTS-400/2/3	**Z-LTS-400-AB/70** 288903	2 per device	2

90

Cover level to Cu-front distance: 90 mm	LTS-L/160/00...	**Z-LTS-L/160-AB/90-SET** 289996	1 set	1
	LTS-250/1/3	**Z-LTS-250-AB/90** 288905	2 per device	2
	LTS-400/2/3	**Z-LTS-400-AB/90** 288906	2 per device	2
	LTS-630/3/3	**Z-LTS-630-AB/90** 288907	2 per device	2

Lateral cover for LTS, LTS-L

SG16005



In connection with the compensation covers they serve as support for the front plate, as well as electric shock protection	LTS-L... LTS...	**Z-LTS-SAB/70-90** 288908		2

xPole

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package
NH-Fuse-Switch-Disconnector							
• Shock hazard protection available • Connection-set for assembling of 2-pole or 4-pole GSTA00-160 available • Clip-set for mounting of GSTA00 onto two DIN-rails							
SG46112 							
160	160	100	00	1-pole (2-pole with connection set)	**GSTA00-160-1P** 225000	Connection at the top or bottom. Lift terminal 1.5-70mm^2	1
SG45612 							
160	160	100	00	3-pole (4-pole with connection set)	**GSTA00-160** 095558	Connection at the top or bottom. Lift terminal 1.5-70mm^2	1
SG45612 							
160	160	100	00	3-pole	**GSTA00-160-F** 149417	Connection at the top or bottom. Screw M8.	1
SG46512 							
250	250	200	1	3-pole	**GSTA1** 017250	Connection at the top or bottom. Screw M10.	1
SG46412 							
400	400	315	2	3-pole	**GSTA2** 021996	Connection at the top or bottom. Screw M10.	1
SG46212 							
630	630	500	3	3-pole	**GSTA3** 026742	Connection at the top or bottom. Screw M10.	1
Accessories for NH-Fuse-Switch-Disconnector							
Shock Hazard Protection 3-pole							
wa_sg02112 							
–	–	–	00	GSTA00-160	**ZBS-GSTA00** 014411	top or bottom	10
–	–	–	1	GSTA1	**ZBS-GSTA1** 082800	top	10
					ZBSU-GSTA1 082804	bottom	10
–	–	–	2	GSTA2	**ZBS-GSTA2** 082801	top	5
					ZBSU-GSTA2 082805	bottom	10
–	–	–	3	GSTA3	**ZBS-GSTA3** 082802	top	1
					ZBSU-GSTA3 082806	bottom	10
Shock Hazard Protection 1-pole							
wa_sg02012 							
–	–	–	00	GSTA00-160-1P	**ZBS-GSTA00-1P** 119006	top or bottom	2

Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation	**Designation** Article No.	Notes	Units per Package

NH-Fuse-Switch-Disconnector

- Shock hazard protection available
- Solid links integrated in the N-pole

3P+N

wa_sg01612



160	160	100	00	3-pole+N	**GSTA00-4P** 119011	Connection at the top or bottom. Lift terminal 1.5-70mm^2	1

wa_sg01512



250	250	200	1	3-pole+N	**GSTA1-4P** 119012	Connection at the top or bottom. Screw M10.	1

wa_sg01412



630	630	500	3	3-pole+N	**GSTA3-4P** 119013	Connection at the top or bottom. Screw M10.	1

Accessories for NH-Fuse-Switch-Disconnector

Shock Hazard Protection 1-pole

wa_sg02012



–	–	–	00	GSTA00-160-1P	**ZBS-GSTA00-1P** 119006	top or bottom	2
–	–	–	1	GSTA1-1P	**ZBS-GSTA1-P** 119007	top or bottom	2
–	–	–	3	GSTA3-1P	**ZBS-GSTA3-1P** 119008	top or bottom	2

Shock Hazard Protection 3-pole

wa_sg02112



–	–	–	00	GSTA00-160	**ZBS-GSTA00** 014411	top or bottom	10
–	–	–	1	GSTA1	**ZBS-GSTA1** 082800	top	10
					ZBSU-GSTA1 082804	bottom	10
–	–	–	3	GSTA3	**ZBS-GSTA3** 082802	top	1
					ZBSU-GSTA3 082806	bottom	10

NH-Fuse-Switch-Disconnector

Rated Operational Voltage	Size	Utilisation	**Designation** Article No.	Notes	Units per Package

Switch cover with Fuse Monitoring for NH-Fuse-Switch-Disconnector

- Operating indication 1 green LED
  Error indication 3 red LEDs (F1, F2, F3)
- Error indication via relay contacts (potential-free)
  1 NO + 1 NC contact
  AC15: 24 V / 4 A, 230 V / 3 A
  AC13: 24 V / 1 A, 220 V / 0.5 A
  Terminal capacity: 0.25 - 1.5 mm²

wa_sg01312



400-690 V / 50-60 Hz	00	GSTA00...	**GST00-DSI** 107956		1
	1	GSTA1...	**GST1-DSI** 107957		1
	2	GSTA2...	**GST2-DSI** 107958		1
	3	GSTA3...	**GST3-DSI** 107959		1

Terminal Capacity		Utilisation	**Designation** Article No.	Notes	Units per Package

Set of Prism Terminals

wa_vt00406



70-150 mm²	GSTA1...	**PSK1** 038734	One set includes 3 prism terminals	1
120-240 mm²	GSTA2...	**PSK2** 043480	One set includes 3 prism terminals	1
120-300 mm²	GSTA3...	**PSK3**	One set includes	1

Set of Double-Prism Terminals

wa_vt00506



2x(70-95) mm²	GSTA1...	**PSK12** 041107	One set includes 3 double-prism terminals	1
2x(120-150) mm²	GSTA2...	**PSK22** 045853	One set includes 3 double-prism terminals	1
2x(120-240) mm²	GSTA3...	**PSK32** 050599	One set includes 3 double-prism terminals	1

Clamp-Type Terminal

wa_vt00306



1.5-70 mm²	GSTA00	**SK00-GS** 149419		3
25-150 mm² Cu-Band 6 x 16 x 0.8 mm	GSTA1...	**SK1-GS** 107960		3
25-240 mm² Cu-Band 10 x 16 x 0.8 mm	GSTA2...	**SK2-GS** 107961		3
25-300 mm² Cu-Band 11 x 21 x 1 mm	GSTA3...	**SK3-GS** 107962		3

Connection-set

SG04507



–	00	GSTA00-160-1P	**V-GSTA00-1P** 228173		1

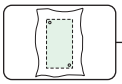
Clip-set

SG10108



–	00	GSTA00-160	**C-GSTA00** 040922	For mounting onto 2 DIN-rails	5

For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.



NH

	Rated Operational Current Ie (A)	Max. Fuse-link 500V (A)	690V (A)	Size	Utilisation		**Designation** Article No.	Notes	Units per Package
	NH-Fuse-Switch-Disconnector								
	• Scope of delivery LTS-160/00/1, LTS-160/00/3 clamp straps Z-LTS-160-BK included as standard connection elements								
SG46012 	160	160	125	00	1-pole		**LTS-1600/00/1** 263120	Connection at the top or bottom. Clamp strap 4-70mm^2 or screw M8.	1 / 14
SG45212 	160	160	125	00	3-pole	NEW	**LTS-160/00/3E** 120602	Connection at the top or bottom. Clamp strap 4-70mm^2 or screw M8.	1 / 6
SG46812 	250	250	200	1	3-pole		**LTS-250/1/3** 269140	Connection at the top or bottom. Screw M10.	1 / 42
SG46712 	400	400	315	2	3-pole		**LTS-400/2/3** 284647	Connection at the top or bottom. Screw M10.	1 / 25
SG57212 	630	630	500	3	3-pole		**LTS-630/3/3** 284691	Connection at the top or bottom. Screw M12.	1 /20
	Accessories for NH-Fuse-Switch-Disconnector								
	Terminal covers Z-LTS-00/.-KA								
Wa_sg01402 	–	–	–	00	LTS-160/00/1		**Z-LTS-00/1-KA** 263125	1-pole	2 / 120
wa_sg03112 	–	–	–	00	LTS-160/00/3 LTS-160/00/3E		**Z-LTS-00/3-KA** 263126	3-pole	4 / 80

For NH-fuse-links Z-NH/00... and solid-links Z-NH-...TR see chapter Accessories Fuse Devices.

xPole

Accessories for NH-Fuse-Switch-Disconnector

Terminal Capacity	Utilisation	**Designation** Article No.	Notes	Units per Package
Clamp Straps				
wa_sg02312				
4-70 mm² Cu	LTS-160/00/3E LTS-160/00/3	**Z-LTS-160-BK** 286812	3 Clamp Straps per device	3 / 180
70-150 mm² Cu/Al 18x10 mm Cu flat	LTS-250/1/3	**Z-LTS-250-BK** 286812	3 Clamp Straps per device	3 / 180
V-shaped terminal Z-LTS-..-V				
• 70 mm² Sm (sectorial stranded) • 95 mm² Se (sectorial solid)				
wa_sg02412				
V-shaped terminal lug size 00	LTS-160/00/3	**Z-LTS-00-V-LA** 263130	–	3 / 180
V-shaped terminal size 00		**Z-LTS-00-V-KL** 263128	–	3 / 180
V-cover cap size 00		**Z-LTS-00-V-KLA** 263132	–	3 / 180
• 185 mm² Sm (sectorial stranded) • 240 mm² Se (sectorial solid)				
V-shaped terminal lug	LTS-250/1/3 LTS-400/2/3 LTS-630/3/3	**Z-LTS-V-LA** 263129	–	3 / 180
V-shaped terminal		**Z-LTS-V-KL** 263127	–	3 / 180
V-cover cap		**Z-LTS-V-KLA** 263131	–	3 / 180
Screws				
Wa_sg02702				
M8 16-70 mm² Cu 16-95 mm² Al	LTS-160/00/3E LTS-160/00/3 LTS-160/00/1	**Z-LTS-SC** 263119	3/6 screws per device	3 / 180
Front Frame				
Wa_sg01802				
–	LTS-160/00/3E LTS-160/00/3	**Z-LTS-00/3-R-FR** 263123	–	1 / 200
Busbar				
wa_sg11102				
35 mm² Cu	LTS-160/00/3E LTS-160/00/3	**Z-LTS-00/3-SV** 264929	for 3 devices	4
Extension Terminal				
wa_sg03212				
25-95 mm² Cu	Z-LTS-00/3-SV	**Z-LTS-EK/95** 269522	3 terminals per device	3 / 90

Z-LTS-00/3-SV

SG81111



SG81911



SG81611



SG81511



SG11205



wa_sg02612



SG19707



Size / Rated current		Type Designation	Article No.	Units per package
Fuse-Links Z-D0./SE, Operating Class gG (gL)				
• In practical plastic box in the color of the visual tripping indicator - to snap on DIN-rail				
D01	2 A	Z-D01/SE-2	288934	12 / 288
D01	4 A	Z-D01/SE-4	288935	12 / 288
D01	6 A	Z-D01/SE-6	288936	12 / 288
D01	10 A	Z-D01/SE-10	288937	12 / 288
NEW D01	13 A	Z-D01/SE-13	288938	12 / 288
D01	16 A	Z-D01/SE-16	288939	12 / 288
D02	20 A	Z-D02/SE-20	288940	12 / 144
D02	25 A	Z-D02/SE-25	288941	12 / 144
NEW D02	32 A	Z-D02/SE-32	288942	12 / 144
D02	35 A	Z-D02/SE-35	288943	12 / 144
NEW D02	40 A	Z-D02/SE-40	288944	12 / 144
D02	50 A	Z-D02/SE-50	288945	12 / 144
D02	63 A	Z-D02/SE-63	288946	12 / 144
Cartridge-Ring Adapter Insert Z-D0./PE				
• In practical plastic box in the color of the visual tripping indicator - to snap on DIN-rail				
D01	2 A	Z-D01/PE-2	288909	12 / 288
D01	4 A	Z-D01/PE-4	288910	12 / 288
D01	6 A	Z-D01/PE-6	288911	12 / 288
D01	10 A, 13 A	Z-D01/PE-10	288912	12 / 288
D02	20 A	Z-D02/PE-20	288913	12 / 288
D02	25 A	Z-D02/PE-25	288914	12 / 288
D02	35 A, 32 A	Z-D02/PE-35	288915	12 / 288
D02	40 A	Z-D02/PE-40	288916	12 / 288
D02	50 A	Z-D02/PE-50	288917	12 / 288
Cartridge-Ring Adapter Insert Z-D02-D01/PE				
• D01 for Fuse-Base D02 and Fuse-Switch-Disconnector D02				
• In practical plastic box in the color of the visual tripping indicator - to snap on DIN-rail				
D02-D01	2 A	Z-D02-D01/PE-2	263112	12 / 288
D02-D01	4 A	Z-D02-D01/PE-4	263113	12 / 288
D02-D01	6 A	Z-D02-D01/PE-6	263150	12 / 288
D02-D01	10 A, 13 A	Z-D02-D01/PE-10	263151	12 / 288
D02-D01	16 A	Z-D02-D01/PE-16	263152	12 / 288
Screw Caps Z-D0./SK				
D01	max. 16 A	Z-D01/SK	100650	20
D02	max. 63 A	Z-D02/SK	100651	20
Adapter Spring Z-D02/SIKA-HF				
• To apply D01-Fuse-links into the Screw cap Z-D02/SK				
D02-D01		Z-D02/SIKA-HF	263149	50 / 3000
Cartridge-Ring Adapter Insert Plier Z-D0-PE-Z				
D01, D02		Z-D0-PE-Z	114324	1 / 10

SG19007



Fuse-Links Z-DII./SE../GG, Operating Class gG (gL)

- Rated voltage 500 V AC / 400 V DC

Size	Rated current	Type Designation	Article No.	Units per package
DII E27	2 A	Z-DII/SE-2A/GG	112125	5 / 500
DII E27	4 A	Z-DII/SE-4A/GG	112126	5 / 500
DII E27	6 A	Z-DII/SE-6A/GG	112127	5 / 500
DII E27	10 A	Z-DII/SE-10A/GG	112128	5 / 500
DII E27	16 A	Z-DII/SE-16A/GG	112129	5 / 500
DII E27	20 A	Z-DII/SE-20A/GG	112130	5 / 500
DII E27	25 A	Z-DII/SE-25A/GG	112131	5 / 500
DIII E33	35 A	Z-DIII/SE-35A/GG	112135	5 / 500
DIII E33	50 A	Z-DIII/SE-50A/GG	112136	5 / 500
DIII E33	63 A	Z-DIII/SE-63A/GG	112137	5 / 500

SG19107



Fuse-Links Z-DII./SE../DZ, Operating Class DZ

- Rated voltage 500 V AC / 400 V DC

Size	Rated current	Type Designation	Article No.	Units per package
DII E27	6 A	Z-DII/SE-6A/DZ	112120	5 / 500
DII E27	10 A	Z-DII/SE-10A/DZ	112121	5 / 500
DII E27	16 A	Z-DII/SE-16A/DZ	112122	5 / 500
DII E27	20 A	Z-DII/SE-20A/DZ	112123	5 / 500
DII E27	25 A	Z-DII/SE-25A/DZ	112124	5 / 500
DIII E33	35 A	Z-DIII/SE-35A/DZ	112132	5 / 500
DIII E33	50 A	Z-DIII/SE-50A/DZ	112133	5 / 500
DIII E33	63 A	Z-DIII/SE-63A/DZ	112134	5 / 500

wa_sg05908



Gauge Ring Z-DII./PE

Size	Rated current	Type Designation	Article No.	Units per package
DII E27	2 A	Z-DII/PE-2A	110396	50
DII E27	4 A	Z-DII/PE-4A	110397	50
DII E27	6 A	Z-DII/PE-6A	110398	50
DII E27	10 A	Z-DII/PE-10A	110399	50
DII E27	16 A	Z-DII/PE-16A	110790	50
DII E27	20 A	Z-DII/PE-20A	110791	50
DIII E33	2 A	Z-DIII/PE-2A	110792	50
DIII E33	4 A	Z-DIII/PE-4A	110793	50
DIII E33	6 A	Z-DIII/PE-6A	110794	50
DIII E33	10 A	Z-DIII/PE-10A	110795	50
DIII E33	16 A	Z-DIII/PE-16A	110796	50
DIII E33	20 A	Z-DIII/PE-20A	110797	50
DIII E33	25 A	Z-DIII/PE-25A	110798	50
DIII E33	35 A	Z-DIII/PE-35A	110799	50
DIII E33	50 A	Z-DIII/PE-50A	110800	50

wa_sg03312



Screw-in Gauge Ring Z-DII./PS

Size	Rated current	Type Designation	Article No.	Units per package
DII E27	2 A	Z-DII/PS-2A	112138	25 / 1500
DII E27	4 A	Z-DII/PS-4A	112139	25 / 1500
DII E27	6 A	Z-DII/PS-6A	112140	25 / 1500
DII E27	10 A	Z-DII/PS-10A	112141	25 / 1500
DII E27	16 A	Z-DII/PS-16A	112142	25 / 1500
DII E27	20 A	Z-DII/PS-20A	112143	25 / 1500
DII E27	25 A	Z-DII/PS-25A	112144	25 / 1500
DIII E33	35 A	Z-DIII/PS-35A	112145	25 / 850
DIII E33	50 A	Z-DIII/PS-50A	112146	25 / 850
DIII E33	63 A	Z-DIII/PS-63A	112147	25 / 850

SG07608



Screw Caps Z-DII./SK

Size	Rated voltage	Type Designation	Article No.	Units per package
DII E27	500 VAC	Z-DII/SK	112148	50 / 600
DIII E33	500 VAC	Z-DIII/SK	112149	30 / 360
DIII E33	690 VAC	Z-DIII/SK-690	118904	3

SG01010



SG20507



SG20407



Size / Rated current / Rated voltage			Type Designation	Article No.	Units per package
Fuse-Links Z-C. /SE Operating Class gG (gL)					
10x38	1 A	500 V AC	Z-C10/SE-1A/GG	112156	10 / 500
10x38	2 A	500 V AC	Z-C10/SE-2A/GG	112157	10 / 500
10x38	4 A	500 V AC	Z-C10/SE-4A/GG	112158	10 / 500
10x38	6 A	500 V AC	Z-C10/SE-6A/GG	112159	10 / 500
10x38	8 A	500 V AC	Z-C10/SE-8A/GG	112160	10 / 500
10x38	10 A	500 V AC	Z-C10/SE-10A/GG	112161	10 / 500
10x38	12 A	500 V AC	Z-C10/SE-12A/GG	112162	10 / 500
10x38	16 A	500 V AC	Z-C10/SE-16A/GG	112163	10 / 500
10x38	20 A	500 V AC	Z-C10/SE-20A/GG	112164	10 / 500
10x38	25 A	500 V AC	Z-C10/SE-25A/GG	112165	10 / 500
10x38	32 A	400 V AC	Z-C10/SE-32A/GG	112166	10 / 500
14x51	2 A	690 V AC	Z-C14/SE-2A/GG	112167	10 / 200
14x51	4 A	690 V AC	Z-C14/SE-4A/GG	112168	10 / 200
14x51	6 A	690 V AC	Z-C14/SE-6A/GG	112169	10 / 200
14x51	8 A	690 V AC	Z-C14/SE-8A/GG	112170	10 / 200
14x51	10 A	690 V AC	Z-C14/SE-10A/GG	112171	10 / 200
14x51	12 A	690 V AC	Z-C14/SE-12A/GG	112172	10 / 200
14x51	16 A	690 V AC	Z-C14/SE-16A/GG	112173	10 / 200
14x51	20 A	690 V AC	Z-C14/SE-20A/GG	112174	10 / 200
14x51	25 A	690 V AC	Z-C14/SE-25A/GG	112175	10 / 200
14x51	32 A	690 V AC	Z-C14/SE-32A/GG	112176	10 / 200
14x51	40 A	500 V AC	Z-C14/SE-40A/GG	112177	10 / 200
14x51	50 A	500 V AC	Z-C14/SE-50A/GG	112178	10 / 200
22x58	16 A	690 V AC	Z-C22/SE-16A/GG	112179	10 / 480
22x58	20 A	690 V AC	Z-C22/SE-20A/GG	112180	10 / 480
22x58	25 A	690 V AC	Z-C22/SE-25A/GG	112181	10 / 480
22x58	32 A	690 V AC	Z-C22/SE-32A/GG	112182	10 / 480
22x58	40 A	690 V AC	Z-C22/SE-40A/GG	112183	10 / 480
22x58	50 A	500 V AC	Z-C22/SE-50A/GG	112184	10 / 480
22x58	63 A	500 V AC	Z-C22/SE-63A/GG	112185	10 / 480
22x58	80 A	500 V AC	Z-C22/SE-80A/GG	112186	10 / 480
22x58	100 A	500 V AC	Z-C22/SE-100A/GG	112187	10 / 480

SG11008



Size / Rated current / Rated voltage			Type Designation	Article No.	Units per package
Fuse-Links ASFLC10-..A-gPV-SOL Photolvoltaic application					
10x38	2 A	1000 V DC	ASFLC10-2A-gPV-SOL	137279	10 / 500
10x38	4 A	1000 V DC	ASFLC10-4A-gPV-SOL	137280	10 / 500
10x38	6 A	1000 V DC	ASFLC10-6A-gPV-SOL	137281	10 / 500
10x38	8 A	1000 V DC	ASFLC10-8A-gPV-SOL	137282	10 / 500
10x38	10 A	1000 V DC	ASFLC10-10A-gPV-SOL	137283	10 / 500
10x38	12 A	1000 V DC	ASFLC10-12A-gPV-SOL	137284	10 / 500
10x38	16 A	1000 V DC	ASFLC10-16A-gPV-SOL	137285	10 / 500
10x38	20 A	1000 V DC	ASFLC10-20A-gPV-SOL	137286	10 / 500
10x38	25 A	900 V DC	ASFLC10-25A-gPV-SOL	137287	10 / 500

PV-fuse-link selection:

① Maximum DC Operating voltage of the fuse-link must be:
1,2 x V_{oc} of string

② Rated current I_n of the fuse-link must be higher or equal than:
1,5 x I_{sc}

I_{sc} . . . . short circuit current of PV-module

V_{oc} . . . open circuit voltage of string

WA_SG02402



Solid-Links Z-NH-../TR

Size	Type Designation	Article No.	Units per package
00	Z-NH-00/TR	263114	3 / 180
1	Z-NH-1/TR	263115	6 / 60
2	Z-NH-2/TR	263116	6 / 60
3	Z-NH-3/TR	263117	3 / 30

wa_sg03412



NH-Fuse-Links, 500 V AC, Z-NH

- operating class gG (gL)

Size	Rated Current	Type Designation	Article No.	Units per package
00	10 A	Z-NH-00/10	289998	3
00	16 A	Z-NH-00/16	289999	3
00	20 A	Z-NH-00/20	290000	3
00	25 A	Z-NH-00/25	290001	3
00	35 A	Z-NH-00/35	290002	3
00	40 A	Z-NH-00/40	290003	3
00	50 A	Z-NH-00/50	290004	3
00	63 A	Z-NH-00/63	290005	3
00	80 A	Z-NH-00/80	290006	3
00	100 A	Z-NH-00/100	290007	3
00	125 A	Z-NH-00/125	290008	3
00	160 A	Z-NH-00/160	290009	3
1	50 A	Z-NH-1/50	290010	3
1	63 A	Z-NH-1/63	290011	3
1	80 A	Z-NH-1/80	290012	3
1	100 A	Z-NH-1/100	290013	3
1	125 A	Z-NH-1/125	290014	3
1	160 A	Z-NH-1/160	290015	3
1	200 A	Z-NH-1/200	290016	3
1	250 A	Z-NH-1/250	290017	3
2	100 A	Z-NH-2/100	290018	3
2	125 A	Z-NH-2/125	290019	3
2	160 A	Z-NH-2/160	290020	3
2	200 A	Z-NH-2/200	290021	3
2	250 A	Z-NH-2/250	290022	3
2	315 A	Z-NH-2/315	290023	3
2	400 A	Z-NH-2/400	290024	3
3	250 A	Z-NH-3/250	290025	3
3	315 A	Z-NH-3/315	290026	3
3	400 A	Z-NH-3/400	290027	3
3	500 A	Z-NH-3/500	290028	3
3	630 A	Z-NH-3/630	290029	3

Measuring Instruments

wa_sg05811



wa_sg04911



PHASE OUT TYPE

SG10007



KWZ-3PH-63

Measuring Instruments

Power Meter KWZ

System	Rated Current	Type Designation	Article No.	Units per package
1N	40 A	KWZ-230	286839	1 / 60
3N	5 A,CT	KWZ-3PH	110825	1 / 30
3N	63 A	KWZ-3PH-63	110826	1 / 30

Power Meter EME

wa_sg05311



EME1P125

System	Rated Current	Type Designation	Article No.	Units per package
1N	32 A	EME1P32	167397	1
1N	32 A, MID cert.	EME1P32MID	167398	1
1N	40 A	EME1P40	167399	1
1N	40 A, MID cert.	EME1P40MID	167400	1
1N	80 A	EME1P80	167401	1
1N	80 A, MID cert.	EME1P80MID	167402	1
1N	125 A	EME1P125	167403	1
1N	125 A, MID cert.	EME1P125MID	167404	1
3N	80 A	EME3P80	167413	1
3N	80 A, MID cert.	EME3P80MID	167414	1
3N	5 A, CT	EME3PCT	167417	1
3N	5 A, CT MID cert.	EME3PCTMID	167418	1
3N	125 A	EME3P125	167415	1
3N	125 A, MID cert.	EME3P125MID	167416	1

Accessories Current Transformer

- Z-MG/WAK: maximum cable diameter 21 mm
- Z-MG/WAS: maximum busbar cross section 30 x 10 mm, 40 x 10 mm or 50 x 12 mm, maximum cable diameter 23 mm / 30 mm - according to type, see dimension diagramms

Communication modules

wa_sg00312



EMECMODB

Designation	Type Designation	Article No.	Units per package
Communication module	EMECLAN	167419	1
Communication module MBUS	EMECMBUS	167420	1
Communication module with MODBUS	EMECMODB	167421	1

Basic Devices

System	Rated Current	Type Designation	Article No.	Units per package
3N	5 A, CT S0	EME3PCTB	167405	1
3N	5 A, CT S0 MID cert.	EME3PCTBMID	167406	1
3N	63 A, S0	EME3P63B	167407	1
3N	63 A, S0 MID cert.	EME3P63MID	167408	1
3N	63 A, MODBUS	EME3P63BMODBUS	167409	1
3N	63 A, S0 MODBUS MID cert.	EME3P63BMODBUSMID	167410	1
3N	80 A, S0 MID cert.	EME3P80BMID	167411	1
3N	80 A, S0 MODBUS MID cert.	EME3P80BMODBUSMID	167412	1

Measuring Instruments

PHASE OUT TYPE

SG2802



PHASE OUT TYPE

SG30012



Function/Measuring Range	Type Designation	Article No.	Units per package
Analogue Ammeter and Voltmeter Z-MG			
Ammeter/0-10 A	Z-MG/AA-10	248228	1 / 30
Ammeter/0-40 A	Z-MG/AA-40	248229	1 / 30
Ammeter transformer/0-600A, x/5A	Z-MG/AA5-WS	248227	1 / 30
Voltmeter/0-250 V	Z-MG/VA-250	248223	1 / 30
Voltmeter/0-500 V	Z-MG/VA-500	248224	1 / 30
Digital Ammeter and Voltmeter Z-MG			
Ammeter/0-20 A	Z-MG/AD-20	248225	1 / 30
Ammeter transformer/0-999A, x/5A	Z-MG/AD-999	248226	1 / 30
Voltmeter/0-600 V	Z-MG/VD-600	248222	1 / 30
Ammeter+Voltmeter/0-8kA, x/5A; 0-600V	Z-MG/VD+AD	263140	1 / 30
Ammeter+Voltmeter/0-8kA, x/5A; 0-600V, 2 programmable contacors	Z-MG/VD+AD+S	263141	1 / 30

Accessories

Current transformer Z-MG/WAS.., Z-MG/WAK..
Exchangeable scale Z7-MG/WS-.. for Z-MG/AA5-WS

Digital Ammeter and Voltmeter EM

wa_sg00212

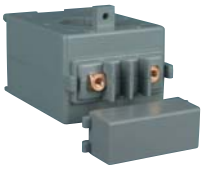


Description	Type Designation	Article No.	Units per package
Ammeter	EMA20	167423	1
Voltmeter	EMV600	167422	1

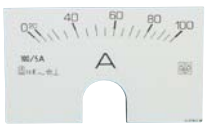
Accessories Current Transformer

- Z-MG/WAK: maximum cable diameter 21 mm
- Z-MG/WAS: maximum busbar cross section 30 x 10 mm, 40 x 10 mm or 50 x 12 mm, maximum cable diameter 23 mm / 30 mm - according to type, see dimension diagramms

SG8797



SG8897



PHASE OUT TYPE

Function/Ratio/Measuring Range	Type Designation	Article No.	Units per package
Current transf. f. cable / 40/5	Z-MG/WAK-40	101619	1
Current transf. f. cable / 50/5	Z-MG/WAK-50	101620	1
Current transf. f. cable / 60/5	Z-MG/WAK-60	101621	1
Current transf. f. cable / 80/5	Z-MG/WAK-80	101622	1
Current transf. f. busbar / 100/5	Z-MG/WAS-100	101623	1
Current transf. f. busbar / 150/5	Z-MG/WAS-150	101625	1
Current transf. f. busbar / 200/5	Z-MG/WAS-200	101626	1
Current transf. f. busbar / 250/5	Z-MG/WAS-250	101627	1
Current transf. f. busbar / 300/5	Z-MG/WAS-300	101628	1
Current transf. f. busbar / 400/5	Z-MG/WAS-400	101629	1
Current transf. f. busbar / 500/5	Z-MG/WAS-500	101630	1
Current transf. f. busbar / 600/5	Z-MG/WAS-600	101631	1
Current transf. f. busbar / 800/5	Z-MG/WAS-800	101632	1
Current transf. f. busbar / 1000/5	Z-MG/WAS-1000	101624	1
Scale to Z-MG/AA5-WS / 0-50	Z7-MG/WS-50	850001066	1
Scale to Z-MG/AA5-WS / 0-60	Z7-MG/WS-60	850001086	1
Scale to Z-MG/AA5-WS / 0-80	Z7-MG/WS-80	850001087	1
Scale to Z-MG/AA5-WS / 0-100	Z7-MG/WS-100	850001067	1
Scale to Z-MG/AA5-WS / 0-150	Z7-MG/WS-150	850001068	1
Scale to Z-MG/AA5-WS / 0-200	Z7-MG/WS-200	850001069	1
Scale to Z-MG/AA5-WS / 0-250	Z7-MG/WS-250	850001070	1
Scale to Z-MG/AA5-WS / 0-300	Z7-MG/WS-300	850001088	1
Scale to Z-MG/AA5-WS / 0-400	Z7-MG/WS-400	850001089	1
Scale to Z-MG/AA5-WS / 0-500	Z7-MG/WS-500	850001092	1
Scale to Z-MG/AA5-WS / 0-600	Z7-MG/WS-600	850001093	1

PHASE OUT TYPE

Operating Hours Counter BSZ

SG15805



Readout	Rated Voltage	Type Designation	Article No.	Units per package
5+2digit	230V 50Hz	BSZ/230	276309	1 / 60
5+2digit	24V 50Hz	BSZ/24	276308	1 / 60

Operating Hours Counter ASOHC230

wa_sg04411



Readout	Rated Voltage	Type Designation	Article No.	Units per package
5+2stellig	230V 50Hz	ASOHC230	167424	1

PHASE OUT TYPE

Pulse Counter Z-IMZ

SG2702



Readout	Rated Voltage	Type Designation	Article No.	Units per package
7digit	230V 50Hz	Z-IMZ/230	248206	1 / 60
7digit	24V 50Hz	Z-IMZ/24	248207	1 / 60

Pulse Counter ASPC230

wa_sg05011



Readout	Rated Voltage	Type Designation	Article No.	Units per package
7digit	230V 50Hz	ASPC230	167425	1

Other Accessories

SG29312



VT4900



Other Accessories

Protective Earth Socket Z-SD230

SG29312



Model	Type Designation	Article No.	Units per package
Standard	Z-SD230	266875	10 / 50
Child protection device a. earth pin	Z-SD230-BS	266876	10 / 50
Busbar block			
Busbar block	Z-SV-10/1P+N-SD	269526	10
End cap	Z-V-AK/2+3P	264930	10 / 600

Shaver Sockets RSD

Phase out type

SG3896



33345B



Use/Sec. Voltage (V~)	Type Designation	Article No.	Units per package
Insert for household 230	RSD-1	940100101	1
Insert for hotels 230/120	RSD-2	940100102	1
Flush installation box	ZRD-UD	740100600	10

Neutral Conductor Lead-Through Terminal, Feed Terminal Z-D

SG59511



Rated Current (A) / Model	Type Designation	Article No.	Units per package
63	Z-D63	248267	12 / 120
63 / with test socket	Z-D63/P	248268	12 / 120
100	Z-D80	248269	12 / 120

Front Plate Tripping Device Z-MFPA

SG58911



	Type Designation	Article No.	Units per package
	Z-MFPA	248302	6 / 60

Compact Enclosure KLV-TC

VT4900



Module units (1MU=17,5mm)	Type Designation	Article No.	Units per package
1+1	KLV-TC-2	276240	1
3+1	KLV-TC-4	276241	1
6+2	KLV-TC-8	276242	1
3+1 with Terminal Block	KLV-TC-4-TB	276243	1
6+2 with Terminal Block 1	KLV-TC-8-TB1	276244	1
6+2 with Terminal Block 2	KLV-TC-8-TB2	276245	1
Terminal Support with Terminal Block	KLV-TC-TB-4/4	276246	1
Terminal Support with Terminal Block 1	KLV-TC-TBC-4/4	276247	1
Terminal Support with Terminal Block 2	KLV-TC-TBC-4/4+4	276248	1

Other Accessories

Circuit Description GR

- Self-adhesive table for synoptic description of circuits, to be attached inside or on a distribution box.
- Pre-printed individual adhesive labels for device designation included

138103900



Number of Circuits	Dimensions	Type Designation	Article No.	Units per package
30	210x120mm	GR-2	138103900	1
90	210x300mm	GR-3	138104100	1

Plastic Box Z-BOX

- empty, can be snapped onto DIN rail
- for spare fuse links, small spare parts

SG81411



Colour	Dimensions	Type Designation	Article No.	Units per package
blue	45x54x75mm	Z-BOX/BLA	286062	12/120