

## Controlling & Switching

- Switches
- Installation Contactors
- Relays
- Signalling Devices
- Transformers

xPole

SG10611



SG69411



SG82911



SG82911








SG84611



wa\_sg04311



## Main Load Disconnecter Switch (Isolator) IS






	Rated Current (A)	Poles	Type Designation	Article No.	Units per package
 SG10611	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
 SG10711	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
 SG10811	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
 SG10911	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
 SG47812	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

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# Controlling & Switching

<b>Circuit Breaker ZP-A</b>					
		Number of Poles/Rated Operational Current	Type Designation	Article No.	Units per package
 <p>SG00912</p>	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
<b>Miniature Circuit Breakers (MCBs) for Auxiliary Circuits PLSM-B4/-HS, CLS6-B4/-HS</b>					
		Poles / Rated Breaking Capacity	Type Designation	Article No.	Units per package
 <p>SG54312</p>	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
<b>Pushbutton Z-T/</b>					
		Colour of Button/Function	Type Designation	Article No.	Units per package
 <p>SG37112</p>	green	4NO	Z-T/4S-G	248328	12 / 120
	black	3NO+1NC	Z-T/3S10	248330	12 / 120
<b>Control Switch Z-S../</b>					
		Rated Current (A)/Function	Type Designation	Article No.	Units per package
 <p>SG38912</p>	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/3S10	248338	12 / 120
<b>Changeover Switch Z-S./W</b>					
		Function	Type Designation	Article No.	Units per package
 <p>SG39012</p>	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	

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# Controlling & Switching

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

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# Controlling & Switching

SG59211



Z-BEL/R230

## Signal Lamps

Rated voltage	LED colour	Type Designation	Article No.	Units per package
<b>Single Lamp Z-EL</b>				
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
<b>Twin Lamp Z-DLD</b>				
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
<b>Universal Single Lamp - changeover function Z-UEL</b>				
24 V AC/DC	red/green	Z-UEL24	284924	2 / 120
230 V AC/DC	red/green	Z-UEL230	284923	2 / 120
<b>Universal Twin Lamp - changeover function Z-UDL</b>				
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
<b>Signal Lamp - with integrated flash function Z-BEL</b>				
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

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## Pushbutton Unit Z-PU, Z-PUL

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

SG59811



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

# Controlling & Switching

## 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-LLL	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

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## Installation Relays Z-R., Z-TN

SG12211




Z-R12/S

SG60411



Z-R230/2S2O

Control Voltage/Function/MU	Type Designation	Article No.	Units per package
<b>Type Z-R</b>			
• with manual operation			
• 20 A 250 VAC  AC1			
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

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# Controlling & Switching

SG59411



Z-RE24/S

SG59111



Z-RK230/SS

SG59711



Z-TN230/SO

SG60111



Z-TN230/3S

Control Voltage/Function/MU	Type Designation	Article No.	Units per package
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## Type Z-RE

- with LED, without manual operation
- 20 A 250 VAC  $\text{—} \text{—}$

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

## Type Z-RK

- with manual operation and LED
- 20 A 250 VAC  $\text{—} \text{—}$  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.

## Type Z-TN

- with manual pre-selection of functions - permanently ON / AUTOM / OFF
- 20 A 250 VAC  $\text{—} \text{—}$

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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# Controlling & Switching

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Z-EK/25

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

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## Installation Contactors Z-SCH/CMUC

### Installation Contactors Z-SCH

SG84611



Z-SCH230/25-40

SG84711



Z-SCH230/63-40

U <sub>s</sub> / I <sub>n</sub> 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

### Installation Contactors CMUC

- Universal Control Voltage U<sub>c</sub> AC/DC

SG28812



CMUC230/25-40

U <sub>c</sub> / I <sub>n</sub> 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

SG84311



Z-SC

### 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 <sup>*)</sup>	Z-SC	248862	3
Spacer (0.5 MU)	Z-DST	248949	10
Suppressor RC-Combination 12-250 VAC	Z-RC/230	101428	2 / 120

<sup>\*)</sup> NOT suitable for Z-SCH230/1/25-20 (120853)

# Controlling & Switching

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

xPole

# Controlling & Switching

SG69011



Z-SC230/S

SG69111



Z-SB230/SS

SG59011



Z-S/KO

wa\_eg02512



Z-EK/25

SG07312



SG07412



ZRMF1/W

SG07912



ZRMF2/WW

Control Voltage/Function/MU	Type Designation	Article No.	Units per package
<b>With central control Z-SC</b>			
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.

### Accessories for Z-S./.

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

### Busbar block

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

### Staircase Switch with switch-off warning and stop function TL

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

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, li	1CO	ZRTAK/W	110747	2 / 120

## 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
$U_N \times 0,85$ 230/400 VAC	1CO REUVM	148598	1
$U_N \times 0,85$ 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

SG08708



PHASE OUT

## Accessories

	Type Designation	Article No.	Units per package
Base load resistor for FFS/16	Z-NKA-SCH	120890	1 / 12