

Automation and Control Devices

Moeller's Building Automation Division now offer a comprehensive range of easy to use Din rail mounted automation and control devices. These devices can be mounted in to the various Consumer Units, Distribution Boards and Panel boards that are now available in the range.

The range includes timers, counters programmable relays, power meters and the unique remote control and automatic control device Z-FW which can be used to automatically reset RCD's.

If you have any questions regarding the items in this section, please do not hesitate to contact your local Moeller Electric Building Automation Distributor.



Automation and Control Devices

Staircase Switches, Half Light Staircase Switches,
Staircase Impulse Switches

SG1602



Function	Part Number	Article Number	Units per package
3500W Z-T			
Staircase switch	Z-TLZ	248374	2 / 120
Half light staircase switch	Z-THZ	248375	2 / 120
Staircase impulse switch	Z-TLS	248376	2 / 120



2300W Z7-TL			
Staircase switch	Z7-TLG	850001722	12 / 120

Light Intensity Switch Z-LM

SG2402



	Part Number	Article Number	Units per package
Support rail assembly	Z-LMS	248218	1
Spare sensor for Z-LMS	Z7-LMS/SENSOR	850000754	1 / 6
Outdoor installation	Z7-LMK	850000708	1
Accessories			
Terminal cover 2MU	Z7-SDM/AK-2TE	850000317	2
Mounting plate 2MU	Z7-SDM/MP-2TE	850000318	24

Transformers 230V Z-TRM

SG0902



SG1002



MU	Sec.-Volt. (V)	Sec.-Current (A)	Part Number	Article Number	Units per package
2	8	0,5	Z-TRM/4	248220	1
2	4-8-12	1-1-0,67	Z-TRM/8	248208	1
2	4-8-12	2-2-1,3	Z-TRM/16	248209	1
3	8-12-24	2-2-1	Z-TRM/24	248219	1
6	12-24	5,25-2,63	Z-TRM/63	248221	1
Accessories					
	Terminal cover 2MU		Z7-TRM/AK-2TE	850000313	6
	Terminal cover 3MU		Z7-TRM/AK-3TE	850000316	2
	Terminal cover 6MU		Z7-TRM/AK-6TE	850000339	6
	Mounting plate 2MU		Z7-SDM/MP-2TE	850000318	24
	Mounting plate 3MU		Z7-TRM/MP-3TE	850000334	12
	Mounting plate 6MU		Z7-TRM/MP-6TE	850000340	36

Automation and Control Devices

Timers Z-SGS, Z-SM., Z-SDM

SG2502



Drive	Program	Channels	Part Number	Article Number	Units per package
Analogue					
Synchron.	Day	1 chan.	Z-SGS/TA	248254	2
Synchron.	Day	1 chan.	Z-SMS/TA	248213	1
Synchron.	Week	1 chan.	Z-SMS/WO	248214	1
Quartz	Day	1 chan.	Z-SMQ/TA	248215	1
Quartz	Week	1 chan.	Z-SMQ/WO	248216	1
Quartz	Day+Week	2 chan.	Z-SMQ/TW	248217	1

Accessories

Terminal cover 2MU	Z7-SM/AK-2TE	850000320	6
Terminal cover 4MU	Z7-SM/AK-4TE	850000341	2
Mounting plate 2MU	Z7-SDM/MP-2TE	850000318	24
Mounting plate 4MU	Z7-SM/MP-4TE	850000333	12

SG2302



Digital					
Quartz	Day	1 chan.	Z-SDM/1K-TA	248210	1
Quartz	Week	1 chan.	Z-SDM/1K-WO	248211	1
Quartz	Week	2 chan.	Z-SDM/2K-WO	248212	1

Accessories

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

Measuring Instruments

SG2802



Function/Measuring Range	Part Number	Article Number	Units per package
Analogue Ammeter and Voltmeter Z-MG			
Ammeter/0-10 A	Z-MG/AA-10	248228	1
Ammeter/0-40 A	Z-MG/AA-40	248229	1
Ammeter transducer/0-600A, x/5A	Z-MG/AA5-WS	248227	1
Voltmeter/0-250 V	Z-MG/VA-250	248223	1
Voltmeter/0-500 V	Z-MG/VA-500	248224	1

SG11402



Digital Ammeter and Voltmeter Z-MG			
Ammeter/0-20 A	Z-MG/AD-20	248225	1
Ammeter transducer/0-999A, x/5A	Z-MG/AD-999	248226	1
Voltmeter/0-600 V	Z-MG/VD-600	248222	1

Automation and Control Devices

Installation Relay Z-R

SG1802



Control Voltage/Function	Part Number	Article Number	Units per package
230V 1NO	Z-R230/20-10	248841	2 / 120
230V 2NO	Z-R230/20-20	248838	2 / 120
230V 1NO+1NC	Z-R230/20-11	248837	2 / 120
230V 2NC	Z-R230/20-02	248843	2 / 120
110V 1NO+1NC	Z-R110/20-11	248845	2 / 120
24V 1NO	Z-R24/20-10	248842	2 / 120
24V 2NO	Z-R24/20-20	248839	2 / 120
24V 1NO+1NC	Z-R24/20-11	248840	2 / 120
24V 2NC	Z-R24/20-02	248844	2 / 120
Spacer	Z-DST	248949	10

Installation Contactors Z-SCH

SG0102



SG0502



Op. voltage range/Current AC1/Function	Part Number	Article Number	Units per package
230V 25A 4NO	Z-SCH230/25-40	248847	1 / 60
230V 25A 4NC	Z-SCH230/25-04	248848	1 / 60
230V 25A 3NO+1NC	Z-SCH230/25-31	248846	1 / 60
230V 25A 2NO+2NC	Z-SCH230/25-22	248849	1 / 60
24V 25A 4NO	Z-SCH24/25-40	248851	1 / 60
24V 25A 2NO+2NC	Z-SCH24/25-22	248850	1 / 60
230V 40A 4NO	Z-SCH230/40-40	248852	1 / 40
230V 40A 3NO+1NC	Z-SCH230/40-31	248854	1 / 40
230V 40A 2NO+2NC	Z-SCH230/40-22	248853	1 / 40
230V 40A 2NO	Z-SCH230/40-20	248855	1 / 40
230V 63A 4NO	Z-SCH230/63-40	248856	1 / 40
230V 63A 3NO+1NC	Z-SCH230/63-31	248858	1 / 40
230V 63A 2NO+2NC	Z-SCH230/63-22	248857	1 / 40
230V 63A 2NO	Z-SCH230/63-20	248859	1 / 40

Accessories

SG0602



Sealing cover- 2 pole	Z-SCHAK-2TE	248860	10
Sealing cover - 3 pole	Z-SCHAK-3TE	248861	10
Auxiliary switch	Z-SC	248862	3
Spacer	Z-DST	248949	10

Time-Lag Relay ZR

SG13002



Function	Contacts	Part Number	Article Number	Units per package
e+r	1CO	Z-ZRER/W	248881	2 / 120
e+w	1CO	Z-ZREWI/W	248882	2 / 120
bi+b	1CO	Z-ZRBLI/W	248883	2 / 120
mf	1CO	Z-ZRMF/W	248885	2 / 120
li+lp	2CO	Z-ZRTAK/WW	248884	1 / 60
mf	2CO	Z-ZRMF/WW	248886	1 / 60

Automation and Control Devices

Remote Control and Automatic Switching Device Z-FW

SG11302



	Part Number	Article Number	Units per package
Without remote testing (RCD) Z-FW-LP		248296	1 / 20

Telecommander Z-TC

SG10798



Function	Part Number	Article Number	Units per package
1NO	Z-TC/1S	248386	1 / 30
4NO	Z-TCR/4S	248387	1 / 30
4 x IN, 4NO (OUT)	Z-TCR	248388	1 / 10

Load Shedding (Current) Relay Z-LAR/

SG11702



Function/Op. Current Range (A)	Part Number	Article Number	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

Lighting Fixtures - Illuminated Pushbuttons - Illuminated Switches

SG18802



Colour/Rated Current/Function	Part Number	Article No.	Units per package
Lighting fixtures Z-L			
clear	Z-L	248303	12 / 120
red	Z-L/R	248304	12 / 120
green	Z-L/G	248305	12 / 120
blue	Z-L/B	248306	12 / 120
red and green	Z-L/RG	248307	12 / 120
clear and clear	Z-L/DKL	248308	12 / 120

Automation and Control Devices

Lighting Fixtures - Illuminated Pushbuttons - Illuminated Switches

SG18302



Colour/Rated Current/Function	Part Number	Article Number	Units per package
Illuminated Switch Z-S..L/			
16A 1NO	Z-SL/S	248314	12 / 120
16A 2NO	Z-SL/SS	248315	12 / 120
16A 3NO	Z-SL/3S	248316	12 / 120
32A 1NO	Z-S32L/S	248317	12 / 120
32A 2NO	Z-S32L/SS	248318	12 / 120
32A 3NO	Z-S32L/3S	248319	12 / 120
Accessories			
Glow lamp 230V red	Z-GLI/230	248320	1
Glow lamp 24V	Z-GLÜ/24	248321	1
Lamp cap red	Z-KAL/ROT	248322	10
Lamp cap green	Z-KAL/GRÜN	248323	10
Lamp cap clear	Z-KAL/KLAR	248324	10
Lamp cap blue	Z-KAL/BLAU	248325	10

Pushbutton Z-T/

SG18502



Colour of Button/Function	Part Number	Article Number	Units per package
green 1NO	Z-T/S-G	248326	12 / 120
green 2NO	Z-T/SS-G	248327	12 / 120
green 4NO	Z-T/4S-G	248328	12 / 120
black 1NO+1NC	Z-T/SO	248329	12 / 120
black 3NO+1NC	Z-T/3S1O	248330	12 / 120
light red 1NC	Z-T/O-R	248331	12 / 120

Operating Hours Counter Z7-BSZ, Pulse Counter Z7-IMZ

SG2702



Readout	Rated Voltage	Part Number	Article Number	Units per package
5+1digit	230V 50Hz	Z-BSZ/230	248204	1
5+1digit	24V 50Hz	Z-BSZ/24	248205	1
7digit	230V 50Hz	Z-IMZ/230	248206	1
7digit	24V 50Hz	Z-IMZ/24	248207	1

Signalling Devices: Buzzer Z-SU, Bell Z-GL

SG1902



Function/Rated Voltage (V~)	Type Designation	Article No.	Units per package
Buzzer 230	Z-SU230	248377	2 / 120
Buzzer 24	Z-SU24	248378	2 / 120
Buzzer 12	Z-SU12	248379	2 / 120
Bell 230	Z-GL230	248380	2 / 120
Bell 24	Z-GL24	248381	2 / 120
Bell 12	Z-GL12	248382	2 / 120

Automation and Control Devices

Shunt Trip Release Z-ASA, ZP-ASA



Operational voltage range (V~)	Part Number	Article Number	Units per package
12-60	Z-ASA/24	248286	1 / 60
110-220	Z-ASA/230	248287	1 / 60
12-60	ZP-ASA/24	248438	1 / 60
110-220	ZP-ASA/230	248439	1 / 60

Undervoltage Release Z-USA, Z-USD



Op. voltage range (V~)/Function	Part Number	Article Number	Units per package
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

Undervoltage Relay Z-UR/400



Switching Voltage	Part Number	Article Number	Units per package
$U_N \times 0.85$	Z-UR/400	248252	1

RCD-Tripping Module Z-AM



For Protective Device	Part Number	Article No.	Units per package
PFIM, PFHM-4p	Z-FAM	248293	1 / 60
PKNM, PKDM, PFHM-2p	Z-KAM	248294	1 / 60
PFNM	Z-NAM	in prep.	1 / 60

Automation and Control Devices

Power Meter Z-KWZ

SG12802



Readout	Rated Voltage	Part Number	Article Number	Units per package
5+1digit	230V 50Hz	Z-KWZ-230	248232	1
5+1digit	230/400V 50Hz	Z-KWZ-3PH-25	248231	1
4+2digit MWh or. 6digit kWh	230/400V 50Hz	Z-KWZ-3PH	248230	1

Accessories

- Z7-MG/WAK: maximum cable diameter. 20 mm
- Z7-MG/WAS: maximum busbar cross section 30 x 10 mm, maximum cable diameter: 23 mm

SG8797



Function/Ratio/Measuring Range	Part Number	Article Number	Units per package
Cable Mounted CT / 50/5	Z7-MG/WAK-50	850001071	1
Cable Mounted CT / 60/5	Z7-MG/WAK-60	850001072	1
Cable Mounted CT / 80/5	Z7-MG/WAK-80	850001073	1
Cable Mounted CT / 100/5	Z7-MG/WAK-100	850001074	1
Cable Mounted CT / 150/5	Z7-MG/WAK-150	850001075	1
Cable Mounted CT / 200/5	Z7-MG/WAK-200	850001076	1
Cable Mounted CT / 250/5	Z7-MG/WAK-250	850001077	1
Busbar Mounted CT / 100/5	Z7-MG/WAS-100	850001078	1
Busbar Mounted CT / 150/5	Z7-MG/WAS-150	850001079	1
Busbar Mounted CT / 200/5	Z7-MG/WAS-200	850001080	1
Busbar Mounted CT / 250/5	Z7-MG/WAS-250	850001081	1
Busbar Mounted CT / 300/5	Z7-MG/WAS-300	850001082	1
Busbar Mounted CT / 400/5	Z7-MG/WAS-400	850001083	1
Busbar Mounted CT / 500/5	Z7-MG/WAS-500	850001084	1
Busbar Mounted CT / 600/5	Z7-MG/WAS-600	850001085	1
Exchang. dial to -AA5-WS / 0-50	Z7-MG/WAS-50	850001066	1
Exchang. dial to -AA5-WS / 0-60	Z7-MG/WAS-60	850001086	1
Exchang. dial to -AA5-WS / 0-80	Z7-MG/WAS-80	850001087	1
Exchang. dial to -AA5-WS / 0-100	Z7-MG/WAS-100	850001067	1
Exchang. dial to -AA5-WS / 0-150	Z7-MG/WAS-150	850001068	1
Exchang. dial to -AA5-WS / 0-200	Z7-MG/WAS-200	850001069	1
Exchang. dial to -AA5-WS / 0-250	Z7-MG/WAS-250	850001070	1
Exchang. dial to -AA5-WS / 0-300	Z7-MG/WAS-300	850001088	1
Exchang. dial to -AA5-WS / 0-400	Z7-MG/WAS-400	850001089	1
Exchang. dial to -AA5-WS / 0-500	Z7-MG/WAS-500	850001092	1
Exchang. dial to -AA5-WS / 0-600	Z7-MG/WAS-600	850001093	1

SG8897



Accessories for Miniature Circuit Breakers PLHT

Operational voltage range V~ Part Number Article Number Units per package

Shunt Trip Release, Shunt Trip Release Kit

110-415/Shunt trip release	Z-LHASA/230	248442	8
12-60/Shunt trip release	Z-LHASA/24	248441	8
110-415/Shunt trip release kit	Z-BHASA/230	248445	8
12-60/Shunt trip release kit	Z-BHASA/24	248444	8

SG25702



Auxiliary Switch

Z-LHK	248440	10 / 100
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SG25802



Accessories for Miniature Circuit Breakers PLS and Residual Current Devices PKN

Auxiliary Switch Z-.HK, Z-HR, Z-AHK, Tripping Signal Switch Z-NHK

For Protective Device Part Number Article Number Units per package

PFIM	Z-HK	248432	4 / 120
PFNM	Z-HR	248435	4 / 120
PLS., PKN.	ZP-AHK	248436	4 / 120
PLS., PKN.	ZP-NHK	248437	4 / 120

SG11902



Z-AHK

SG11502



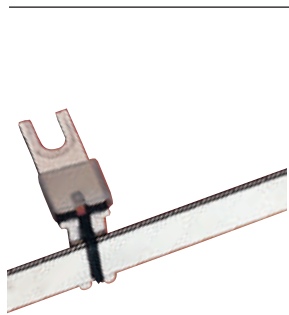
Z-NHK

Easy Control Relays

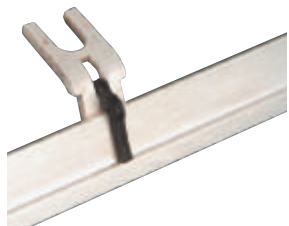


Basic Units, Accessories

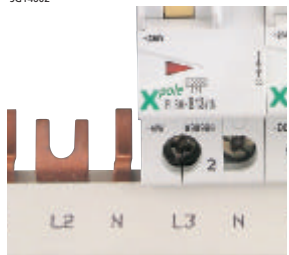
	Description	Type	Article Number	Std. pack
Basic units	115/230 V AC 8 digital inputs 4 relay outputs LCD display with operating buttons 7-day, 24 hour timeswitchs	EASY412-AC-RC	202406	1
	115/230 V AC 8 digital inputs 4 relay outputs No display 7-day, 24 hour timeswitchs	EASY412-AC-RCX	212308	1
	115/230 V AC, 12 digital inputs 6 relay outputs LCD display with operating buttons 7-day, 24 hour timeswitchs	EASY619-AC-RC	218721	1
Accessories				
Software	CD, menu selection from 6 languages Installation under WIN 95, 98, WIN NT 4.0	EASY-SOFT	202407	1
Memory card	8K memory card for storing the entire circuit configuration for EASY412	EASY-M-8K	202408	
	16K memory card for storing the entire circuit configuration for EASY619.	EASY-M-16K	212317	
Connection cable	Length: 2 m, for connection to 9-pole serial PC interface with interface electronics	EASY-PC-CAB	202409	
Fixing bracket	For screw fixing onto mounting plate: 3 brackets per EASY4 3 brackets per EASY6	ZB4-101-GF1	061360	9
Documentation	Manual for the Easy control relay. Brief introduction to the Easycontrol relay	AWB2528-1304-GB AWB2528-1316-GB	205481 205485	1

Busbar Systems


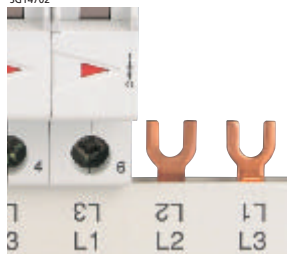
SG7997



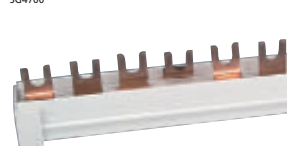
SG14602



SG14702



SG4700



714KL16419



Description	Part Number	Article Number	Units per package
Plug-in Busbar System 50A, 80A for Xpole and Xcompact Switchgear			
Conn. angle L1, N; 10 pcs.	ZV7-L1/N	—	10 / 600
Conn. angle L1, N; 36 pcs.	ZV70-L1/N	—	36 / 2160
Conn. angle L1, N; 100 pcs.	ZV700-L1/N	—	100 / 3000
Conn. angle L2, L3; 10 pcs.	ZV7-L2/L3	—	10 / 600
Conn. angle L2, L3; 36 pcs.	ZV70-L2/L3	—	36 / 2160
Conn. angle L2, L3; 100pcs.	ZV700-L2/L3	—	100 / 3000
Conn. ang. N (0.5 MU); 10 pcs.	ZV7-N-05TE	—	10 / 600
Conn. ang. N (0.5 MU); 36 pcs.	ZV70-N-05TE	—	36 / 2160
Conn. ang. N (0.5 MU); 100 pcs.	ZV700-N-05TE	—	100 / 3000
Busbar 1m	ZV-S	—	1 / 10
Conn. angle L1, N; 10 pcs.	ZV7-L1/N-80A	—	10 / 600
Conn. angle L1, N; 36 pcs.	ZV70-L1/N-80A	—	36 / 2160
Conn. angle L1, N; 100 pcs.	ZV700-L1/N-80A	—	100 / 3000
Conn. angle L2, L3; 10 pcs.	ZV7-L2/L3-80A	—	10 / 600
Conn. angle L2, L3; 36 pcs.	ZV70-L2/L3-80A	—	36 / 2160
Conn. angle L2, L3; 100pcs.	ZV700-L2/L3-80A	—	100 / 3000
Busbar 1m	ZV-S-80A	—	1 / 10
Cover section 1 m for 50+80A	ZV7-ADP	—	1 / 10
End caps for cover section	ZV7-AEK	—	1 / 50
Power feed block 25/50mm ²	Z-D80	248269	12 / 120
Busbar block 10mm², 16mm² (Fork) for Xpole and Xcompact Switchgear			
Busbar block 1p, 63A	ZV7-10-1P-1TE	630311	1
Busbar block 3p, 63A	ZV7-10-3P-3TE	630312	1
Cover cap 2+3p, 63A	ZV7-10-AK/2+3P	630316	10
Busbar block 1p, 80A	ZV7-16-1P-1TE	630313	1
Busbar block 1p+N, 80A	ZV7-16-1P+N-2TE	630314	1
Busbar block 3p, 80A	ZV7-16-3P-3TE	—	1
Busbar block 3p+N, 80A	ZV7-16-3P+N-4TE	—	1
Cover cap 2+3p, 80A	ZV7-16-AK/2+3P	630317	10
Cover cap 4p, 80A	ZV7-16-AK/4P	—	10
Busbar block 16mm² (Fork) for PLS.. 1p+N (1,5MU)			
Busbar block 1p+N	ZV7-1P+N-1,5TE	—	1
Busbar block 3 x 1p+N	ZV7-3x1P+N-1,5TE	—	1
Cover cap 2+3p	ZV7-16-AK/2+3P	—	10
Cover cap 4p	ZV7-16-AK/4P	—	10
Busbar block 10mm² (Pin) for L71 (1MU)			
Below, FI-2p + 10xL71	ZLV1V-10/1N/2+10-U	—	6 / 60
Below, FI-4p + 8xL71	ZLV1V-10/3N/4+8-U	—	6 / 60
Below, FI-4p + 3xPLS.. + 5xL71	ZLV1V-10/3N/4+3+5-U	—	6 / 60
Above, FI-2p + 10xL71	ZLV1V-10/1N/2+10-O	—	6 / 60
Above, FI-4p + 8xL71	ZLV1V-10/3N/4+8-O	—	6 / 60
Cover cap for 1N	ZLV1V-AK/1N	—	10 / 600
Cover cap for 3N	ZLV1V-AK/3N	—	10 / 600
Connection terminal 25mm ²	ZLV1K-25-L	—	10 / 600
Busbar unit grey for phase	ZLSV1-10/1P-12TE	—	1 / 10
Busbar unit blue for N	ZLSV1-10/1N-12TE	—	1 / 10
Busbar block for 3 phases	ZLSV1-10/3P-12TE	—	1 / 5
Busbar block f. pro. earth socket, 1m	Z7-SD/1P+N	—	1
Accessories			
Touch safety device	ZV7-BS	—	10 / 600

Compact Enclosure TC

VT4900



Module units (1MU=17,5mm)	Part Number	Article No.	Units per package
1+1	TC-2	870001400	1
3+1	TC-4	870001401	1
6+2	TC-8	870001402	1

EK-Boxes IP65

4396



Module units (1MU=17,5mm)	Part Number	Article Number	Units per package
2+1	EK002	630373	1
4,5	EK004	630374	1
8	EK008	630375	1
12	EK012	637589	1
24	EK024	637590	1

Metal General Purpose Enclosure



Module units (1MU=17,5mm)	Part Number	Article Number	Units per package
1+2	FGE2	630830	1
3+4	FGE4	630831	1
3-4+2	FGE24	630832	1

Lock for Miniature Circuit Breakers



Module units (1MU=17,5mm)	Part Number	Article Number	Units per package
MCB Lock	HA7-SPE1TE	630908	