





# MOTOR PROTECTION CIRCUIT BREAKERS - ACCESSORIES

## MS25

### Auxiliary contact block for lateral mounting PS

Type	Number of contacts		Wiring diagram	Ordering No.	Weight (g)	Packaging (pcs)
	NO	NC				
PS01	0	1		38.901.670	35	1
PS10	1	0		38.901.669	35	1
PS11	1	1		38.901.501	35	1
PS20	2	0		38.901.500	35	1



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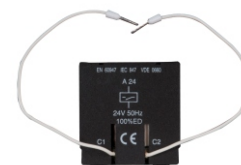
### Under-voltage release U

Voltage (V)*	Frequency (Hz)	Ordering No.	Weight (g)	Packaging (pcs)
24	50	38.901.502	62	1
24	60	38.901.952	62	1
48	50	38.901.904	62	1
48	60	38.902.956	62	1
60	50	38.901.504	62	1
110	50	38.901.505	62	1
110	60	38.901.726	62	1
120	50	38.903.035	62	1
120	60	38.903.035	62	1
230	50	38.901.506	62	1
230	60	38.902.958	62	1
400	50	38.901.508	62	1
400	60	38.902.960	62	1
415	50	38.902.962	62	1
415	60	38.902.964	62	1
480	50	38.902.966	62	1
480	60	38.901.863	62	1
500	50	38.902.968	62	1
500	60	38.902.970	62	1
600	50	38.902.972	62	1
600	60	38.901.870	62	1



### Shunt release A

Voltage (V)*	Frequency (Hz)	Ordering No.	Weight (g)	Packaging (pcs)
24	50	38.901.510	62	1
24	60	38.901.953	62	1
48	50	38.901.905	62	1
48	60	38.902.957	62	1
110	50	38.901.513	62	1
110	60	38.901.727	62	1
120	50	38.901.973	62	1
120	60	38.901.871	62	1
230	50	38.901.514	62	1
230	60	38.902.959	62	1
400	50	38.901.516	62	1
400	60	38.902.961	62	1
415	50	38.902.963	62	1
415	60	38.902.965	62	1
480	50	38.902.967	62	1
480	60	38.901.864	62	1
500	50	38.902.969	62	1
500	60	38.902.971	62	1
600	50	38.902.973	62	1
600	60	38.901.872	62	1



\* U and A releases for other control voltage/frequencies are on request.

ORDERING DATA

# MOTOR PROTECTION CIRCUIT BREAKERS - ACCESSORIES

## MS25

### Trip-indicating auxiliary contact block RS

Type	Number of contacts		Wiring diagram	Ordering No.	Weight (g)	Packaging (pcs)
	NO	NC				
RS01	0	1		38.902.149	35	1
RS10	1	0		38.902.150	35	1



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- RS contact changes position from its normal state when the MS25 MPCB trips due to overload, short-circuit or the manual depression of the TEST lever.

### Adapters for connection of MS25 with a contactor

Type	Conductor length (mm)	Conductor cross-section (mm <sup>2</sup> )	Thermal current (A)	Ordering No.	Weight (g)	Packaging (pcs)
DST-U-2.5	40	2.5	20	665.200.020	12	10
DST-U-4	40	4	35	665.200.021	16	10
DST-U-2.5 L	70	2.5	20	665.200.022	14	10



### Enclosures for MS25

Type	Degree of protection	Ordering No.	Weight (g)	Packaging (pcs)
Enclosure O-41	IP41	38.422.509	222	1
Enclosure O-55	IP55	38.422.510	222	1
Front plate CP-41	IP41	38.422.035	150	1
Front plate CP-55	IP55	38.421.994	150	1



CP-41/55



O-41/55

ORDERING DATA

# MOTOR PROTECTION CIRCUIT BREAKERS - ACCESSORIES

MS25

Accessories for enclosures O-41/55 and CP-41/55

Type	Voltage	Ordering No.	Weight (g)	Packaging (pcs)
Emergency stop push-button <b>NAT</b>	/	38.901.665	40	1
Emergency stop push-button with keylock <b>NAT-K</b>	/	38.902.488	40	1
Padlocking feature <b>Z</b>	/	38.901.632	95	1
Push-button diaphragm IP55	/	38.422.130	12	1
Neutral link <b>NL</b>	/	38.552.076	525	25
Signal lamp <b>SSr</b> (Red)	250 V	623.000.131	175	25
	400 V	623.009.261		
Signal lamp <b>SSz</b> (Green)	250 V	623.009.257	175	25
	400 V	623.009.262		
Signal lamp <b>SSb</b> (Transparent)	250 V	623.009.256	175	25
	400 V	623.009.263		
Cable inlet M25 x 1.5	/	315.609.520	15	100



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ORDERING DATA

# MOTOR PROTECTION CIRCUIT BREAKERS - ACCESSORIES

## MS32, MS25

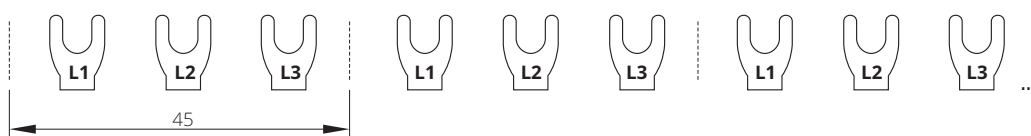
### Connection blocks MSS-3L

Type	Number of MPCB	Length (mm)	Ordering No.	Weight (g)	Packaging (pcs)
MSS-3L-M2-45	2	80	655.200.001	26	10
MSS-3L-M3-45	3	125	655.200.002	48	10
MSS-3L-M4-45	4	170	655.200.003	68	10
MSS-3L-M5-45	5	215	655.200.004	90	10
MSS-3L-M2 + Hi-45 + 9	2	90	655.200.005	30	10
MSS-3L-M3 + Hi-45 + 9	3	145	655.200.006	54	10
MSS-3L-M4 + Hi-45 + 9	4	200	655.200.007	78	10
MSS-3L-M5 + Hi-45 + 9	5	250	655.200.008	111	10

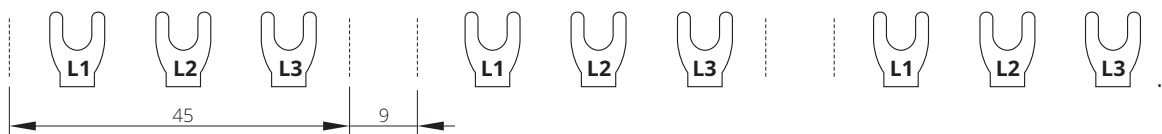


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### MSS-3L-MX-45 CONNECTION BLOCKS

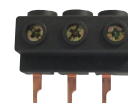


### MSS-3L-MX-45 + 9 CONNECTION BLOCKS (FOR MPCB WITH SIDE-MOUNTED ACCESSORIES)



### Supply block (25 mm<sup>2</sup>)

Type	Ordering No.	Weight (g)	Packaging (pcs)
ESB-S/V-MS	655.200.009	40	10



### Protection for connection cable

Type	Ordering No.	Weight (g)	Packaging (pcs)
BS-MS 0	655.200.010	2	10



ORDERING DATA

## MS25

### Auxiliary switch for lateral mounting PS

Type	Symbol	Unit	PS
Standards			IEC 60947-5-1, UL 60947-5-1
Approvals			CE, UL, EAC
Rated impulse voltage	$U_{imp}$	kV	6
Rated insulation voltage	$U_i$	V	500
Thermal current	$I_{th}$	A	6
Rated operational current AC-15			
230 V	$I_e$	A	3.5
400 V			2
500 V			1.5
Mechanical endurance		op. c.	100.000
Terminal capacity	S	mm <sup>2</sup>	0.75 ... 2.5
Conductor insulation stripping length		mm	8
Screw type			M3.5
Screw head			PZ1
Tightening torque		Nm	1

### Trip-indicating auxiliary switch RS

Type	Symbol	Unit	RS
Standards			IEC 60947-5-1, UL 60947-5-1
Approvals			CE, UL, EAC
Rated impulse voltage	$U_{imp}$	kV	6
Rated insulation voltage	$U_i$	V	500
Thermal current	$I_{th}$	A	6
Rated operational current AC-15			
230 V	$I_e$	A	3.5
400 V			2
500 V			1.5
Mechanical endurance		op. c.	100.000

### Under-voltage release U, Shunt release A

Type	Symbol	Unit	U, A
Standard			IEC 60947-5-1, UL 60947-5-1
Approvals			CE, UL, EAC
Control voltages (AC)	$U_c$	V	24, 48, 110, 120, 230, 400, 415, 480, 500, 600
Rated frequency	f	Hz	50/60
Pick-up voltage		x $U_c$	≤ 0.85
Drop-out voltage			0.7 ... 0.35
Power consumption switch-on operation		VA/W	7.5 / 4.3
operation			3.8 / 1.3
Duty cycle	$t_{ON}/t_{OFF}$	%	100
Noise level		dB	≤ 35
Mechanical and electrical endurance		op. c.	100.000