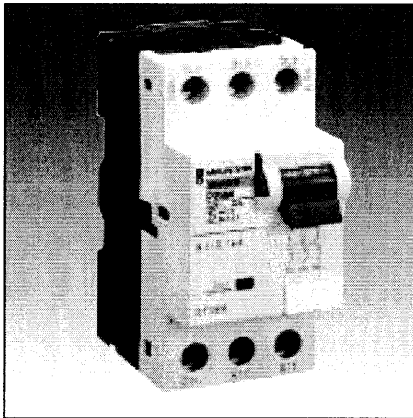


P25M motor protection circuit breaker



Applications

Overload and short circuit protection for motors up to 25A rating together with the function of local manual control.

Technical data

■ Thermal release

- Current setting (In) 0.10 to 25A.
- Phase failure sensitivity.
- Temperature compensation: -20°C + 40°C in enclosures.

■ Magnetic release: 12 x In.

■ Rated voltage (Ue): 690 V AC.

■ Impulse withstand voltage (Uimp): 6kV .

■ Number of operation AC3 category: 100,000 O-C cycles.

■ Positive contact indication.

■ Padlocking facility.

■ Connection by terminal clamp

min. capacity = rigid cable 2 x 1mm²

max. capacity = flexible cable 2 x 6mm²

■ Co-ordination according to IEC 947.4 consult us.

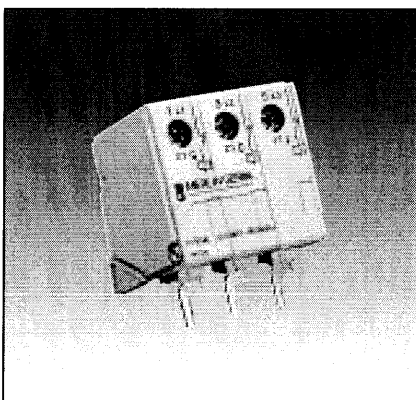
■ Approvals: CEBEC, DEMKO, NEMKO, SEMKO, FI.

■ Dimensions see page 153.

Width in mod of 9mm	Rating In (A)	Settings	Part n°.
5	0.16	0.1 - 0.16	21100
	0.25	0.16 - 0.25	21101
	0.40	0.25 - 0.40	21102
	0.63	0.40 - 0.63	21103
	1.0	0.63 - 1.0	21104
	1.6	1.0 - 1.6	21105
	2.5	1.6 - 2.5	21106
	4.0	2.5 - 4.0	21107
	6.3	4.0 - 6.3	21108
	10	6.0 - 10	21109
14	9.0 - 14	21110	
18	13 - 18	21111	
23	17 - 23	21112	
25	20 - 25	21113	

■ Breaking capacity: IEC 947.2 (kA).

Rating (A)	Voltage (V)									
	230,240		400,415		440		500		690	
	Icu in kA	Ics %	Icu in kA	Ics %	Icu in kA	Ics %	Icu in kA	Ics %	Icu in kA	Ics %
0.16 to 1.6	self protected									
2.5									3	75
4									3	75
6.3					50	100	50	100	3	75
10					15	100	10	100	3	75
14			15	50	8	50	6	75	3	75
18			15	50	8	50	6	75	3	75
23	50	100	15	40	6	50	4	75	3	75
25	50	100	15	40	6	50	4	75	3	75



Limiter block

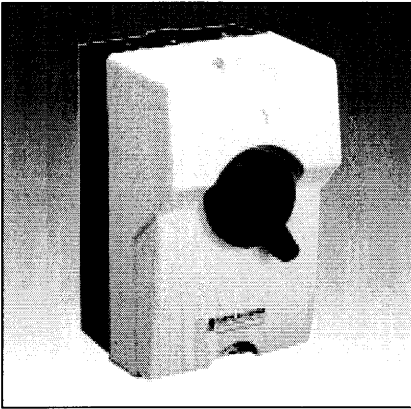
Increases the breaking capacity to 100kA up to 415V. Individual mounting (upstream) or on the terminal block part n°. **21144** .

■ Connection: tunnel terminal for flexible cable up to 25mm².

■ Dimensions - see page 153.

Width in mod of 9mm	Rating In (A)	Part n°.
5	63	21115

P25M motor protection circuit breaker accessories

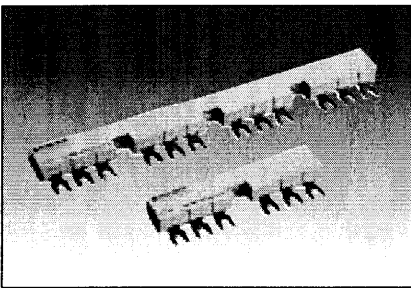


P25M insulated enclosure

(surface mounting)
can incorporate 1 x P25M with
1 x auxiliary contact and 1 x shunt or
UVR release with earth and neutral
terminals.

- Degree of protection: IP55.
- Double insulation
- Sealable cover.
- Indicator lamp can be installed on the front to indicate the ON or OFF position.
- 4 knock outs for cable gland Ø 16mm.
- **Dimensions** see page 155.

	Part no.
Enclosure	21133
Neon indicator light 220.240V	green 21140
	red 21142
Neon indicator light 380.440V	green 21141
	red 21143

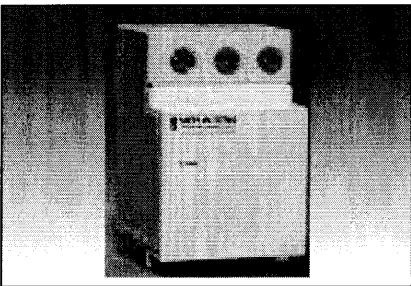


Comb busbars P25M

3 Poles 63A

Power supply for several P25M up to
63A. Comb busbar versions 2 or 4 outlets
and the possibility of combining comb
busbar Auxiliary contacts can be
installed between the P25Ms.

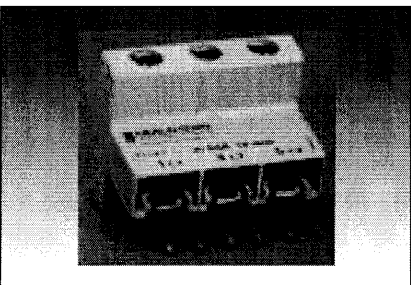
Comb busbar	Part no.
For 2 P25M units	21145
For 4 P25M units	21146



Terminal block

For supply of busbars with cables up to
25mm² (can be installed with limiter
block).

	Part no.
End cover (bag of 5 pcs)	21148
Terminal block	21144



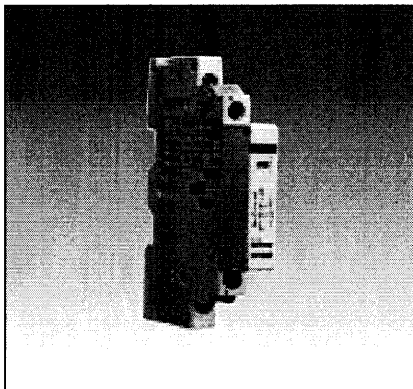
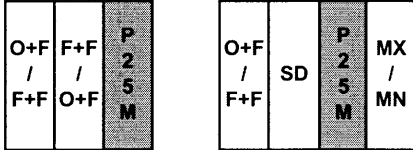
Insulated connector

To supply comb busbars or P25M directly
with cables up to 25mm².

Insulated connector	Part no.
	21147

P25M motor protection circuit breaker auxiliaries

Auxiliary combination



Remote indication:

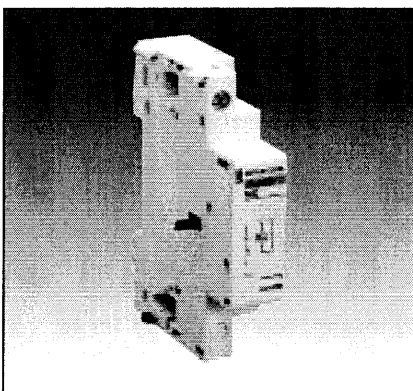
- **Position**
 - O+F contact indicates ON or OFF position of the P25M.
 - F+F contact double contact for ON position.
- **Position + alarm indicator** with red flag trip indicator.
 - F+SD.O
ON position + OFF fault indication.
 - O+SD.O
OFF position + OFF fault indication.
 - F+SD.F
ON position + ON fault indication.
 - O+SD.F
OFF position + ON fault indication.

Technical data

Voltage Ue	Position (OF) (A)	Fault (SD) (A)
V AC		
24		1.5
48	6	1
130	4.5	0.5
240	3.3	0.3
415	2.2	
440	1.5	
V DC	DC 13	DC 13
24	6	1
48	5	0.3
60	3	0.15
110	1.3	
220	0.5	

■ Connection by terminal clamp

Min.: rigid cables 2 x 1 mm²
 Max.: flexible cables 2 x 2.5 mm²
 Flexible cable with cable end
 2 x 1.5 mm²



Remote tripping:

- **MX shunt trip release:** trips the P25M when energised.
- **MN undervoltage release:** trips the P25M when the voltage supply drops (between 35% and 75%) and prevents reclosing until the supply voltage is restored.

■ Power consumption of releases:

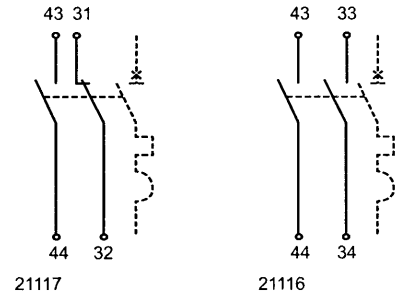
	AC (V.A)	DC (W)
MX		
Pick up	14	10
Hold	5	1.6
MN		
Hold	3.5	1.1

■ Connection by terminal clamp

Min.: rigid cables 2 x 1 mm²
 Max.: flexible cables up to
 2 x 2.5 mm²
 Flexible cable with cable end
 2 x 1.5 mm²

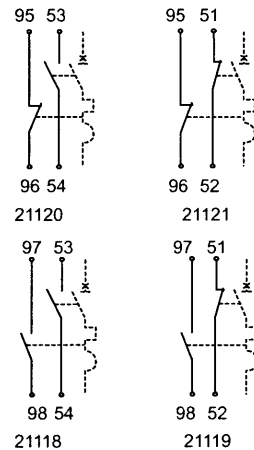
Width in mod. of 9 mm Part n°.

Contact position O+F	1	21117
Contact position F+F	1	21116



Width in mod. of 9 mm Part n°.

Position+alarm contact F+SD.F	1	21118
Position+alarm contact O+SD.F	1	21119
Position+alarm contact F+SD.O	1	21120
Position+alarm contact O+SD.O	1	21121



Width in mod. of 9mm Voltage (V) Frequency (Hz) Part n°.

	Voltage (V)	Frequency (Hz)	Part n°.
MX shunt trip release			
2	220.240	50	21127
	380.415	50	21128

Width in mod. of 9mm Voltage (V) Frequency (Hz) Part n°.

	Voltage (V)	Frequency (Hz)	Part n°.
MN undervoltage release			
2	220.240	50	21129
	380.415	50	21130