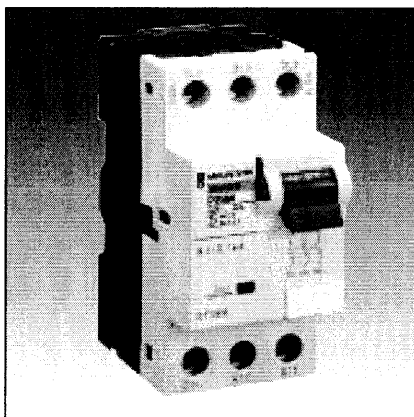


P25M motor protection circuit breaker



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.

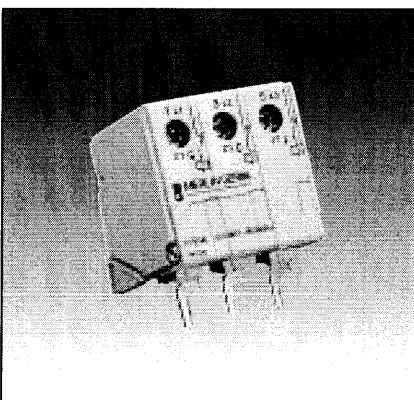
■ Approvals: CEBEC, DEMKO, NEMKO, SEMKO, FI.

■ 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 in %	Icu in kA	Ics in %	Icu in kA	Ics in %	Icu in kA	Ics in %	Icu in kA	Ics in %	Icu in kA	Ics in %
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

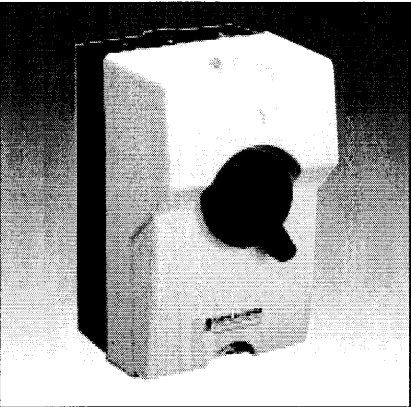
Increases the breaking capacity to 100kA up to 415V. Individual mounting (upstream) or on the terminal block part n°. **21144**.

■ 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

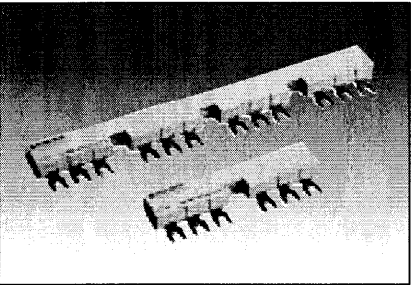


P25M insulated enclosure

(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.

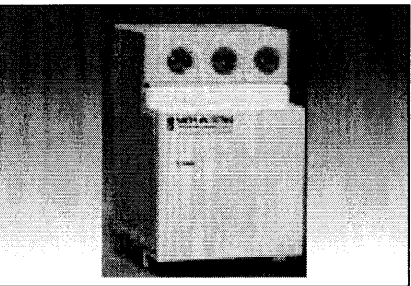
	Part no.
Enclosure	21133
Neon indicator light 220.240V	green 21140
	red 21142
Neon indicator light 380.440V	green 21141
	red 21143



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.

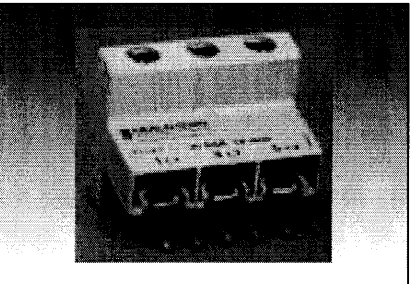
Comb busbar	Part no.
For 2 P25M units	21145
For 4 P25M units	21146



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

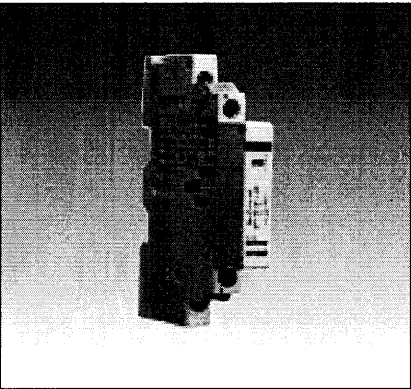
To supply comb busbars or P25M directly
with cables up to 25mm².

Insulated connector	Part no.
	21147

P25M motor protection circuit breaker
auxiliaries

Auxiliary combination

O+F / F+F	F+F / O+F	P 2 5 M	O+F / F+F	SD	P 2 5 M	MX / MN
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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)	Fault (SD)
V AC	(A)	(A)
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

Width in mod.
of 9 mm

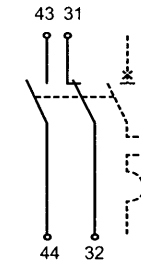
Part n°.

Contact position O+F

1 21117

Contact position F+F

1 21116



21117



21116

Width in mod.
of 9 mm

Part n°.

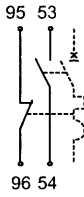
1

Position+alarm contact F+SD.F 21118

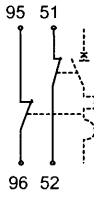
Position+alarm contact O+SD.F 21119

Position+alarm contact F+SD.O 21120

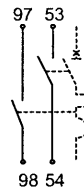
Position+alarm contact O+SD.O 21121



21120



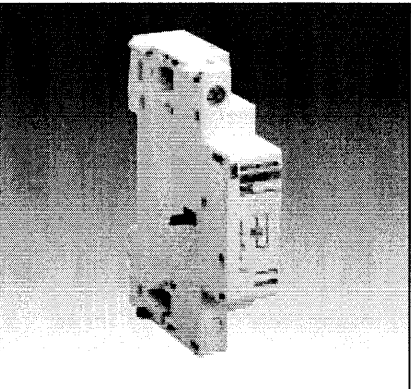
21121



21118



21119



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 9mm

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°.

MN undervoltage release

2 220.240 50 21129

380.415 50 21130