

Moulded Case Circuit Breaker Type EM, 4 pole, 50kA, 32A

Rated current 32A, Short circuit switching capacity (400V) 50kA, Size type 2, Tripping Unit Digital electronic release - Type EM, Poles 4



Schrack-Info

Standard electronic type release for power distribution EM

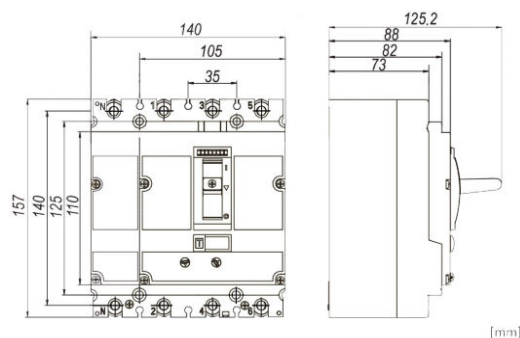
EM release has four-stage protection of overload, short circuit short-time delay, short circuit instantaneous protection and earth fault, with real-time current display, protection parameter information display, fault information display and parameter setting function.

- Over-load long-time delay protection
Setting current $I_r = I_n \times 0.4 \sim 1.0$, Stepping 1 A
Tripping time T_r (s): 3~18, 1s, Accuracy $\pm 10\%$
- Short circuit short-time delay protection
Setting current $I_{sd} = I_r \times 1.5 \sim 10$, Stepping 1 A, OFF, Accuracy $\pm 15\%$
Tripping time T_{sd} (s): 0.1-0.2-0.3-0.4, Accuracy $\pm 20\%$ or $\pm 40\text{ms}$ (higher value will be selected)
- Short circuit instantaneous protection
Setting current $I_i = I_n \times 1.5 \sim 12$, Stepping 1 A, OFF, Accuracy $\pm 15\%$
Max. tripping time (ms): 60
- Earth fault protection
Setting current $I_g = I_n \times 0.4-0.5-0.6-0.7-0.8-0.9-1.0$, OFF, Accuracy $\pm 15\%$
Tripping time (s): 0.1-0.2-0.3-0.4, Accuracy $\pm 15\%$

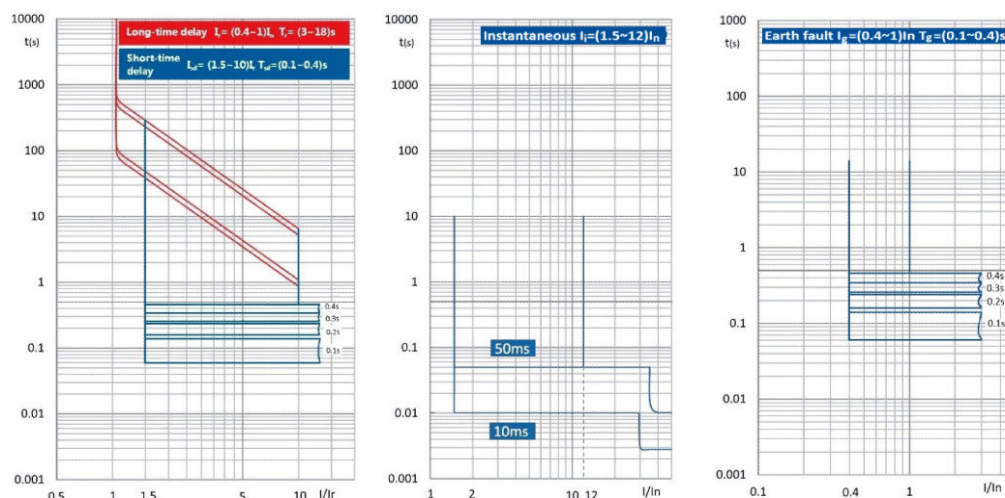
Technical Data

Net width (mm)	140,00
Net height (mm)	157,00
Net weight (kg)	2,65
EAN	9004840893694
Power loss (W)	3,20
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	70
Device category	circuit breaker
Standard	EN 60947-2
Rated current (A)	32
Rated voltage	< 690VAC
Short circuit switching capacity (400V) (kA)	50
Size type	2
Tripping Unit	Digital electronic release - Type EM
Poles	4
Pollution degree	3
IP Rating	IP40
Mechanical durability	15000 operation cycles
Rated insulation voltage [Ui] (V)	1000
Rated impulse withstand voltage [Uimp] (V)	8000
Rated ultimate short-circuit breaking capacity Icu (kA)	50
Rated service breaking capacity Ics (kA)	50
AC 380/400/415V	50kA (Icu) / 50kA (Ics)
AC 440V	50kA (Icu) / 50kA (Ics)
AC 500V	40kA (Icu) / 40kA (Ics)
AC 660/690V	8kA (Icu) / 8kA (Ics)
Electrical endurance (Operation cycle)	
AC 415V, In	6000
AC 690V, In	1500

Dimensions



Tripping characteristic curves



Article Table

DESCRIPTION	Order No.
Moulded Case Circuit Breaker Type EM, 4 pole, 50kA, 32A	
Rated current 32A, Short circuit switching capacity (400V) 50kA, Size type 2, Tripping Unit Digital electronic release - Type EM, Poles 4	MX232243
Optional Accessories	
Toggle Lever Locking Device for MX2	MX290199
No lock included in the scope of delivery.	
Clip Plate 35mm DIN-S for MX2 4 pole	MX290214
Size type 3, Poles 4	
Communication module Modbus-RTU 24VDC 1.5m	MX290000
Communication module Modbus-RTU 230VAC 1.5m	MX290001
Box Terminal for MX2 10-120mm², 1 piece	MX290015
Size type 2, Al/Cu	
Connection extension 4 pole for MX2, 8 pieces	MX290020
Poles 4, 8 pieces included per item, for 4-pole MX2 (for top and bottom)	
Terminal Cover short 4 pole for MX2	MX290781
Poles 4, for top and bottom	
Terminal Cover long 4 pole for MX2	MX290784
Poles 4, for top and bottom	
Tunnel Terminal 1x35-240mm² for MX2, 1 piece, max. 200A	
Size type 2, Al/Cu, current max. 200A, not maintenance-free for Aluminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX296730

Article Table

DESCRIPTION	Order No.
Optional Accessories	
Tunnel Terminal 2x35-120mm ² for MX2, 1 piece, max. 200A	
Size type 2, Al/Cu, control connection: M4, current max. 200A, not maintenance-free for Alminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX296731
Tunnel Terminal 6x10-35mm ² for MX2, 1 piece, max. 200A	
Size type 2, Al/Cu, control connection: M4, current max. 200A, not maintenance-free for Alminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX296732
Rear Connection, 4P for MX2, for both connection sides	
Size type 2	MX296735
Socket for MX2 4 pole	
Size type 2, Poles 4	MX296872
Safety release for socket MX2 for thermal release	
Size type 2	MX296873
Safety release for socket MX2 for electronic release	
Size type 2	MX296874
Phase separator plates MX2	
Size type 2	MX296870
Rotary handle complete, lockable for MX2, thermal release	MX290125
Rotary handle complete, lockable for MX2, electronic release	MX290126
Door Coupling Rotary Handle, for MX2 for thermal release	
Size type 2, Axle length 50cm	MX290172
Door Coupling Rotary Handle, for MX2 for electronic release	
Size type 2, Axle length 50cm	MX290173
Mechanical Interlock for MX2 4 pole	
Size type 2, Poles 4	MX291582
Under Voltage Release 110VAC for MX2, MX3	
Size type 2,3	MX299462
Under Voltage Release 220-240VAC for MX2, MX3	
Size type 2,3	MX299471
Under Voltage Release 380-415VAC for MX2, MX3	
Size type 2,3	MX299473
Under Voltage Release 24VDC for MX2, MX3	
Size type 2,3	MX299481
Under Voltage Release 220VDC for MX2, MX3	
Size type 2,3	MX299489
Shunt trip 110VAC for MX2, MX3	MX299567
Shunt trip 220-240VAC for MX2, MX3	MX290154
Shunt trip 380-415VAC for MX2, MX3	MX291607

Article Table

DESCRIPTION	Order No.
Optional Accessories	
Shunt trip 24VDC for MX2, MX3	MX299736
Shunt trip 220VDC for MX2, MX3	MX299742
Remote Operator 24VDC for MX2	MX299837
Size type 2	
Remote Operator 110VAC/110-120VDC for MX2	MX299838
Size type 2	
Remote Operator 220-240VAC/220VDC for MX2	MX299832
Size type 2	
Remote Operator 380-415VAC for MX2	MX299833
Size type 2	
RCD für MX2 4 pole Type A 50-200mA-0.5-2A	MX294610
Auxiliary contact 1 CO	MX199411
Alarm contact 1 CO	MX199511
RCD for MX2 4 pole, 0.03 - 2A, Type A	MX294612
Size type 2, Tripping Unit Residual Current Circuit Device - RCCD with setting range 0.03A - 0.05A - 0.1A - 0.2A - 0.3A - 0.5A - 1A - 2A, Poles 4	