

Data Sheet for Article: MX363243--

Moulded Case Circuit Breaker Type EM, 4 pole, 50kA, 630A

Rated current 630A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit Digital electronic release - Type EM, Poles 4



Schrack-Info

Standard electronic type release for power distribution EM

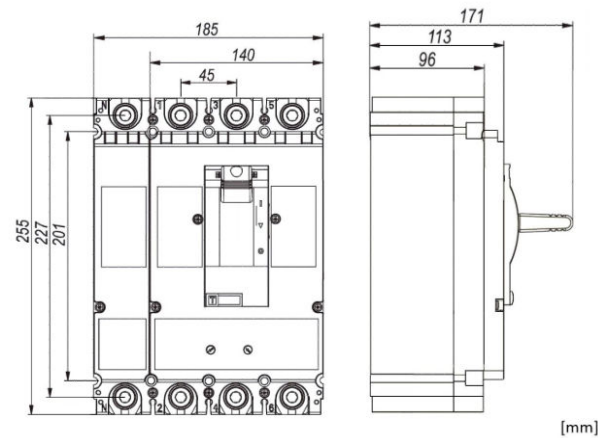
EM release has four-stage protection of overload, short circuit short-time delay, short circuit instantaneous protection and earth fault, with real-time current display, protection parameter information display, fault information display and parameter setting function.

- 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, 1 s, 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 $\pm 15\%$

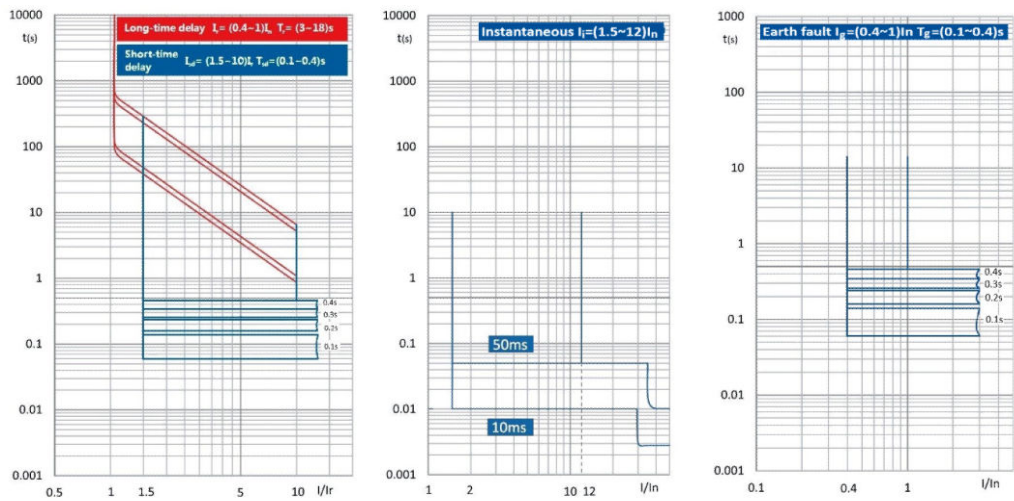
Technical Data

Net width (mm)	185,00
Net height (mm)	255,00
Net weight (kg)	8,00
EAN	9004840894431
Power loss (W)	190,40
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	70
Device category	circuit breaker
Standard	EN 60947-2
Rated current (A)	630
Rated voltage	< 690VAC
Short circuit switching capacity (400V) (kA)	50
Size type	3
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)	12000
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	12kA (Icu) / 12kA (Ics)
Electrical endurance (Operation cycle)	
AC 415V, In	3000
AC 690V, In	1500

Dimensions



Tripping characteristic curves



Article Table

DESCRIPTION	Order No.
Moulded Case Circuit Breaker Type EM, 4 pole, 50kA, 630A	
Rated current 630A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit Digital electronic release - Type EM, Poles 4	MX363243
Optional Accessories	
Communication module Modbus-RTU 24VDC 1.5m	MX290000
Communication module Modbus-RTU 230VAC 1.5m	MX290001
Toggle Lever Locking Device for MX3	MX390199
No lock included in the scope of delivery.	

Article Table

DESCRIPTION	Order No.
Optional Accessories	
Box Terminal 120-240MM ² for MX3, 1 piece, max. 500A	
Size type 3, Al/Cu, control connection: M4, current max. 500A, not maintenance-free for Alminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX390015
Connection extension 4 pole for MX3, 8 pieces	
Poles 4, 8 pieces included per item, for 4-pole MX3 (for top and bottom)	MX390020
Terminal Cover short 4 pole for MX3	
Poles 4, for top and bottom	MX390781
Terminal Cover long 4 pole for MX3	
Poles 4, for top and bottom	MX390784
Tunnel Terminal 2x120-240mm ² for MX3, 1 piece, max. 500A	
Size type 3, Al/Cu, control connection: M3, current max. 500A, not maintenance-free for Alminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX396730
Tunnel Terminal 4x95mm ² for MX3, 1 piece, max. 500A	
Size type 3, Al/Cu, control connection: M3, current max.500A, not maintenance-free for Alminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX396731
Rear Connection, 4P for MX3, for both connection sides	
Size type 3	MX396735
Socket for MX3 4 pole	
Size type 3, Poles 4	MX396872
Safety release for socket MX3 for thermal release	
Size type 3	MX396873
Safety release for socket MX3 for electronic release	
Size type 3	MX396874
Phase separator plates MX3	
Size type 3	MX396870
Rotary Handle complete, lockable for MX3 for thermal release	MX390125
Rotary Handle complete, lockable for MX3 for electr. release	MX390126
Door Coupling Rotary Handle, for MX3 for thermal release	
Size type 3, Axle length 50cm	MX390172
Door Coupling Rotary Handle, for MX3 for electronic release	
Size type 3, Axle length 50cm	MX390173
Mechanical Interlock for MX3 4 pole	
Size type 3, Poles 4	MX391582
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

Article Table

DESCRIPTION	Order No.
Optional Accessories	
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
Shunt trip 24VDC for MX2, MX3	MX299736
Shunt trip 220VDC for MX2, MX3	MX299742
Remote Operator 24VDC for MX3 Size type 3	MX399837
Remote Operator 110VAC/110-120VDC for MX3 Size type 3	MX399838
Remote Operator 220-240VAC/220VDC for MX3 Size type 3	MX399832
Remote Operator 380-415VAC for MX3 Size type 3	MX399833
RCD für MX3 4 pole Typ A 50-200mA-0.5-1A	MX394610
RCD für MX3 4 pole Typ A 100-300mA-1-2A	MX394612
Auxiliary contact 1 CO	MX199411
Alarm contact 1 CO	MX199511
RCD for MX3 4 pole, 0.03 - 2A, Type A Size type 3, 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	MX394614