

Moulded Case Circuit Breaker Type A, 4 pole, 50kA, 500A

Rated current 500A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit Thermomagnetic release - Type A, Poles 4



SCHRACK-Info

Thermo-magnetic type release TM

Thermo-magnetic release of MX breakers can be set to meet protection requirements.

- Over-load protection
Setting current (A) $I_r = I_n \times 0.7-0.8-0.9-1.0$
- Short-circuit instantaneous protection
Setting current (A) $I_i = I_n \times 5-6-7-8-9-10$
Accuracy $\pm 20\%$

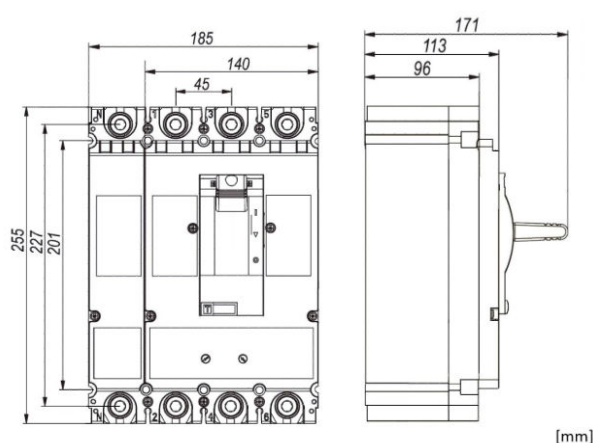
Technical Data

Net width (mm)	185,00
Net height (mm)	255,00
Net weight (kg)	7,00
EAN	9004840894394
Power loss (W)	120,00
Min. ambient temperature (°C)	-40

Technical Data - continued

Max. ambient temperature (°C)	70
Device category	circuit breaker
Standard	EN 60947-2
Rated current (A)	500
Rated voltage	< 690VAC
Short circuit switching capacity (400V) (kA)	50
Size type	3
Tripping Unit	Thermomagnetic release - Type A
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 A, 4 pole, 50kA, 500A	
Rated current 500A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit Thermomagnetic release - Type A, Poles 4	MX350241
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.	
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 Aluminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!	MX390015
Connection extension 4 pole for MX3, 8 pieces	MX390020
Poles 4, 8 pieces included per item, for 4-pole MX3 (for top and bottom)	
Terminal Cover short 4 pole for MX3	MX390781
Poles 4, for top and bottom	

Article Table

DESCRIPTION	Order No.
Optional Accessories	
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
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

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DESCRIPTION	Order No.
Optional Accessories	
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	MX399837
Size type 3	
Remote Operator 110VAC/110-120VDC for MX3	MX399838
Size type 3	
Remote Operator 220-240VAC/220VDC for MX3	MX399832
Size type 3	
Remote Operator 380-415VAC for MX3	MX399833
Size type 3	
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	MX394614
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	