

Data Sheet for Article: MX116431 --

Moulded Case Circuit Breaker Type A, 3 pole, 36kA, 16A

Rated current 16A, Short circuit switching capacity (400V) 36kA, Size type 1, Tripping Unit Thermomagnetic release - Type A, Poles 3



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) $I_i = I_n \times 10$
Accuracy $\pm 20\%$

Technical Data

Net width (mm)	90,00
Net height (mm)	140,00
Net weight (kg)	1,19
EAN	9004840892383
Power loss (W)	6,90
Min. ambient temperature (°C)	-40

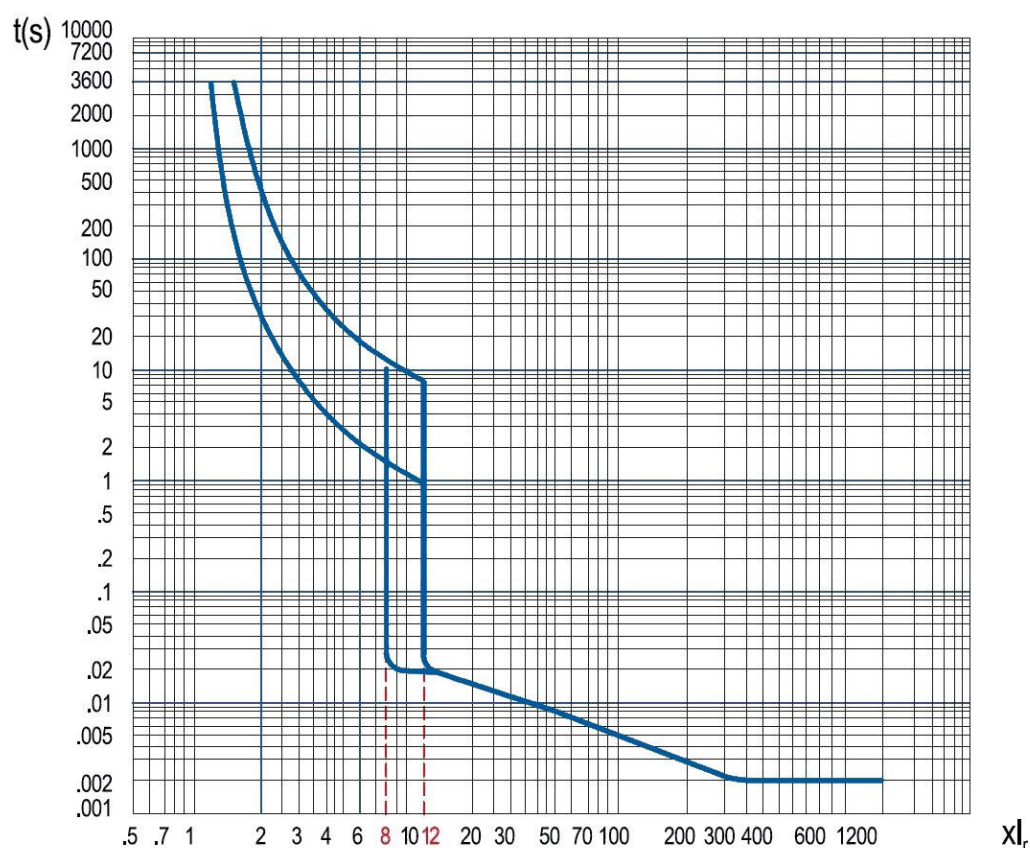
Technical Data - continued

Max. ambient temperature (°C)	70
Device category	circuit breaker
Standard	EN 60947-2
Rated current (A)	16
Rated voltage	< 690VAC
Short circuit switching capacity (400V) (kA)	36
Size type	1
Tripping Unit	Thermomagnetic release - Type A
Poles	3
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)	36
Rated service breaking capacity Ics (kA)	36
AC 380/400/415V	36kA (Icu) / 36kA (Ics)
AC 440V	36kA (Icu) / 36kA (Ics)
AC 500V	25kA (Icu) / 25kA (Ics)
AC 660/690V	6kA (Icu) / 6kA (Ics)
Electrical endurance (Operation cycle)	
AC 415V, In	8000
AC 690V, In	2000

Dimensions



Tripping characteristic curves



Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
Moulded Case Circuit Breaker Type A, 3 pole, 36kA, 16A		
Rated current 16A, Short circuit switching capacity (400V) 36kA, Size type 1, Tripping Unit		MX116431
Thermomagnetic release - Type A, Poles 3		
Optional Accessories		
Toggle Lever Locking Device for MX1		MX190199
No lock included in the scope of delivery.		
Clip Plate 35mm DIN-S for MX1 3 pole		MX190213
Size type 1, Poles 3		
Box Terminal for MX1 2.5-75mm ² , 1 piece		MX190015
Size type 1 Al/Cu		
Connection extension 3 pole for MX1, 6 pieces		MX190019
Poles 3, 6 pieces included per article, for 3-pole MX1 (for top and bottom)		
Terminal Cover short 3 pole for MX1		MX190780
Poles 3, for top and bottom		

Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
Optional Accessories		
Terminal Cover long 3 pole for MX1 Poles 3, for top and bottom		MX190783
Tunnel Terminal 1x16-95mm ² for MX1, 1 piece, max. 100A Size type 1, Al/Cu, current max. 100A, not maintenance-free for Aluminum, attend to connection conditions!! No use in PV applications/frequency inverters permitted!		MX196730
Rear Connection, 3P for MX1, for both connection sides Size type 1		MX196734
Socket for MX1 3 pole Size type 1, Poles 3		MX196871
Safety release for socket MX1 Size type 1		MX196873
Phase separator plates MX1 Size type 1		MX196870
Rotary Handle complete, lockable for MX1		MX190125
Door Coupling Rotary Handle, lockable, for MX1 Size type 1, Axle length 50cm		MX190172
Mechanical Interlock for MX1 3 pole Size type 1, Poles 3		MX191581
Under Voltage Release 110VAC for MX1 Size type 1		MX199462
Under Voltage Release 220-240VAC for MX1 Size type 1		MX199471
Under Voltage Release 380-415VAC for MX1 Size type 1		MX199473
Under Voltage Release 24VDC for MX1 Size type 1		MX199481
Under Voltage Release 220VDC for MX1 Size type 1		MX199489
Shunt trip 110VAC for MX1 Poles 1		MX199567
Shunt trip 220-240VAC for MX1		MX190154
Shunt trip 380-415VAC for MX1		MX191607
Shunt trip 24VDC for MX1		MX199736
Shunt trip 220VDC for MX1		MX199742
Remote Operator 24VDC for MX1 Size type 1		MX199837

Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
Optional Accessories		
Remote Operator 110VAC/110-120VDC for MX1 Size type 1		MX199838
Remote Operator 220-240VAC/220VDC for MX1 Size type 1		MX199832
Remote Operator 380-415VAC for MX1 Size type 1		MX199833
RCD für MX1 3 pole Type A 30-100-300-1000mA		MX194609
Auxiliary contact 1 CO		MX199411
Alarm contact 1 CO		MX199511
Universal Adapter 250A outgoing conn. top	383	SI321680
RCD for MX1 3 pole, 0.03 - 2A, Type A Size type 1, 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 3		MX194611