

Data Sheet for Article: MX180241F1

Combination MCCB Type A, 4P, 50kA, 80A and RCD up to 1A

Rated current 80A, Short circuit switching capacity (400V) 50kA, Size type 1, Tripping Unit
Thermomagnetic release - Type A, Poles 4, Bemessungsfehlerstrom:
30mA-100mA-300mA-1A

The logo consists of the letters 'MX' in a large, bold, sans-serif font, with the word 'SERIE' in a smaller, bold, sans-serif font directly below it. The entire logo is centered within a white rectangular area that has a thin red border.

Technical Data

Net width (mm)	120,00
Net height (mm)	205,00
Net weight (kg)	1,55
EAN	9004840905892
Power loss (W)	33,20
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	70
Device category	circuit breaker
Standard	EN 60947-2
Rated current (A)	80
Rated voltage	< 690VAC
Short circuit switching capacity (400V) (kA)	50
Size type	1
Tripping Unit	Thermomagnetic release - Type A

Technical Data - continued

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	8000
AC 690V, In	2000

Article Table

DESCRIPTION	Order No.
Combination MCCB Type A, 4P, 50kA, 80A and RCD up to 1A Rated current 80A, Short circuit switching capacity (400V) 50kA, Size type 1, Tripping Unit Thermomagnetic release - Type A, Poles MX180241F1 4, Bemessungsfehlerstrom: 30mA-100mA-300mA-1A	
Optional Accessories	
Toggle Lever Locking Device for MX1	MX190199
Clip Plate 35mm DIN-S for MX1 4 pole Size type 1, Poles 4	MX190214
Box Terminal for MX1 2.5-75mm ² , 1 piece Size type 1Al/Cu	MX190015
Connection extension 4 pole for MX1, 8 pieces Poles 4, 8 pieces included per item, for 4-pole MX1 (for top and bottom)	MX190020
Terminal Cover short 4 pole for MX1 Poles 4, for top and bottom	MX190781
Tunnel Terminal 1x16-95mm ² for MX1, 1 piece, max. 100A Size type 1, Al/Cu, For Aluminum not more than 80% of the rated current, not maintenance-free for Aluminum, attend to connection conditions!!	MX196730
Rear Connection, 4P for MX1, for both connection sides Size type 1	MX196735
Socket for MX1 4 pole Size type 1, Poles 4	MX196872
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 4 pole Size type 1, Poles 4	MX191582
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

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DESCRIPTION	Order No.
Optional Accessories	
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
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 4 pole Type A 30-100-300-1000mA	MX194610
Auxiliary contact 1 CO	MX199411
Alarm contact 1 CO	MX199511