

Data Sheet for Article: MX363237--

Moulded Case Circuit Breaker Type ENM, 3 pole, 50kA, 630A

Rated current 630A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit Electronic release for motor protection - Type ENM, Poles 3



Schrack-Info

Basic electronic type release for motor protection ENM

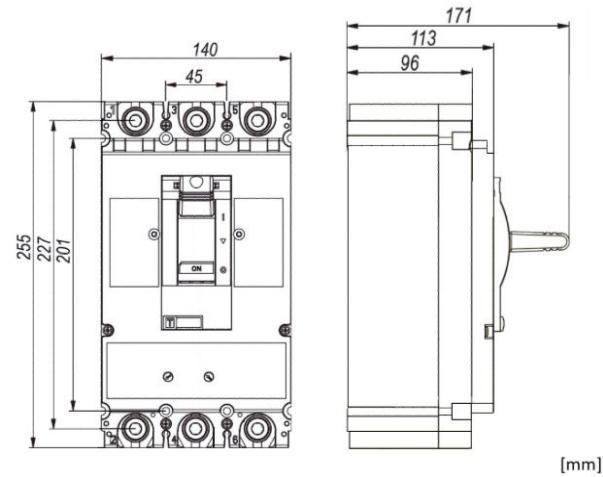
The ENM electronic trip unit allows for tighter tolerance trip times.

- Over-load long-time delay protection
Setting current $I_r = I_n \times 0.4-0.5-0.6-0.7-0.8-0.9-1.0$, OFF
Tripping time T_r (s): 48, 16, 24, Accuracy $\pm 10\%$
- Short circuit short-time delay protection
Setting current $I_{sd} = I_r \times 5-6-8-9-10-11-12$, OFF, Accuracy $\pm 15\%$
Tripping time T_{sd} (ms): 100, Accuracy ± 40
- Short circuit instantaneous protection
Setting current $I_i = I_n \times 15$, Setting current $I_{sd} < I_i$ (within tolerance).
Max. tripping time (ms): 60
- Phase unbalance/Phase failure I_{unbal} : 30%-40%-50%-60%-70%-80%-90% (Phase failure)-OFF
Max. trip time of phase imbalance (s): 4-6-8-10, Accuracy $\pm 10\%$
Tripping time of phase failure (s): 0.25, Accuracy $\pm 20\%$

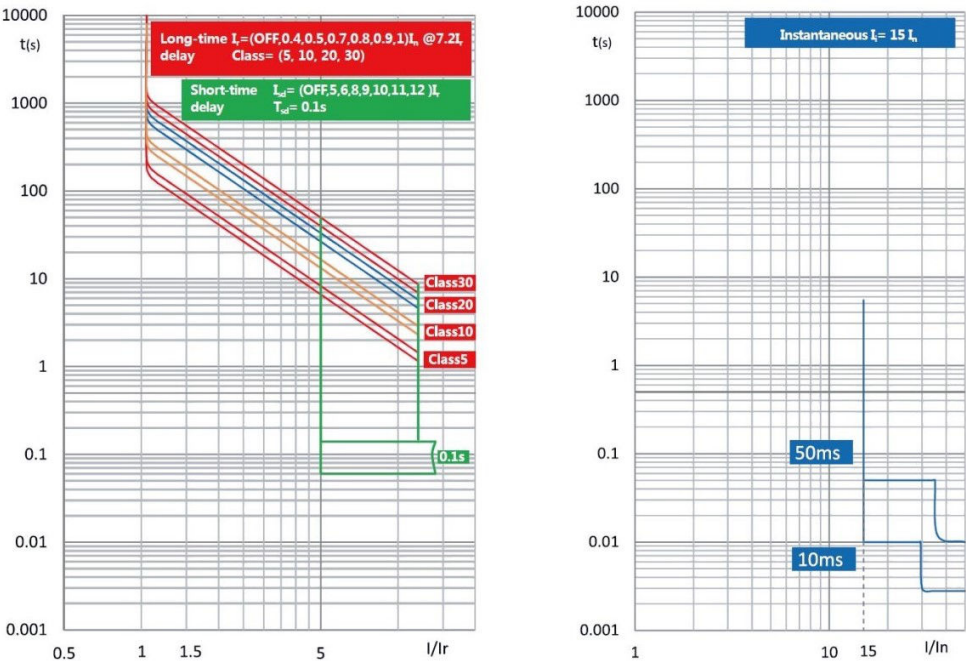
Technical Data

Net width (mm)	140,00
Net height (mm)	255,00
Net weight (kg)	6,00
EAN	9004840894271
Power loss (W)	142,80
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	Electronic release for motor protection - Type ENM
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)	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	COPPER WEIGHT (kg/km)	Order No.
Moulded Case Circuit Breaker Type ENM, 3 pole, 50kA, 630A		
Rated current 630A, Short circuit switching capacity (400V) 50kA, Size type 3, Tripping Unit		MX363237
Electronic release for motor protection - Type ENM, Poles 3		
Optional Accessories		
Communication module Modbus-RTU 24VDC 1.5m		MX290000

Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
Optional Accessories		
Communication module Modbus-RTU 230VAC 1.5m		MX290001
Toggle Lever Locking Device for MX3 No lock included in the scope of delivery.		MX390199
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 3 pole for MX3, 6 pieces Poles 3, 6 pieces included per article, for 3-pole MX3 (for top and bottom)		MX390019
Terminal Cover short 3 pole for MX3 Poles 3, for top and bottom		MX390780
Terminal Cover long 3 pole for MX3 Poles 3, for top and bottom		MX390783
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, 3P for MX3, for both connection sides Size type 3		MX396734
Socket for MX3 3 pole Size type 3, Poles 3		MX396871
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

Article Table

DESCRIPTION	COPPER WEIGHT (kg/km)	Order No.
Optional Accessories		
Mechanical Interlock for MX3 3 pole Size type 3, Poles 3		MX391581
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
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 3 pole Typ A 50-200mA-0.5-1A		MX394609
RCD für MX3 3 pole Typ A 100-300mA-1-2A		MX394611
Auxiliary contact 1 CO		MX199411
Alarm contact 1 CO		MX199511
Busbar adapter 630A universal version up to 630A For frame size 3	4489	SI327430
RCD for MX3 3 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 3		MX394613