

### Empty enclosures



M...PA

new



M...RA

new



M...N

new

Order code	Contact type ①	Thermal relay ②	Degree of protection	Qty per pkg n°	Wt [kg]
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Enclosures with Start-Stop/Reset pushbuttons.

M0PA	BG06, BG09, BG12	RF9	IP65	1	0.490
M1PA	BF09A, BF12A, BF18A	RF38	IP65	1	0.545
M2PA③	BF25A, BF26A, BF32A④	RF38	IP65	1	0.715
M25PA④⑤	BF38A⑤	RF38	IP65	1	0.990
M3PA④⑤	BF50, BF65, BF80, BF95, BF110⑤	RF95 3	IP65	1	1.900

Enclosures with Reset pushbutton.

M0RA	BG06, BG09, BG12	RF9	IP65	1	0.445
M1RA	BF09A, BF12A, BF18A	RF38	IP65	1	0.500
M2RA③	BF25A, BF26A, BF32A④	RF38	IP65	1	0.670
M25RA④⑤	BF38A⑤	RF38	IP65	1	0.970
M3RA④⑤	BF50, BF65, BF80, BF95, BF110⑤	RF95 3	IP65	1	1.850

Enclosures without external pushbuttons.

M0N	BG06, BG09, BG12	RFA9	IP65	1	0.405
M1N	BF09A, BF12A, BF18A③	RF38	IP65	1	0.460
M2N③	BF25A, BF26A, BF32A④	RF38	IP65	1	0.640
M24N④⑤⑥	BG.../BF09A...BF25A⑤	②	IP65	1	0.625
M25N④⑤	BF38A⑤	RF38	IP65	1	0.940
M3N⑤	BF50, BF65, BF80, BF95, BF110⑤	RF95 3	IP65	1	1.800

① To be purchased separately; refer to page 2-4 for contactor choice.

② To be purchased separately.

Refer to pages 3-2 to -6 for thermal overload relay choice.

For use of the overload relay in the M24N, consult Customer Service; see contact details on inside front cover.

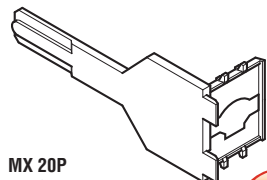
③ Reversing contactor assemblies BGR..., BGT..., BFA...42 and changeover types BGC... can also be fitted in M24N and M25... types. See pages 4-4, 4-13 and 4-15.

④ MX 31 metal mounting plate included.

⑤ MX 30 metal mounting plate included.

⑥ To install eventual pushbuttons, selectors and/or other control accessories, use the **Platinum** series and mount the relay contact elements on the cover using the LPX AU120 mounting adapter. See section 7.

### Accessories and spare parts



MX 20P  
MX 21P

new

new

Order code	Description	Qty per pkg n°	Wt [kg]
MX 01	Threaded plug for unused holes, grey RAL7035	10	0.007
MX 10P	Stop/Reset button extension rod for M0 enclosure	5	0.010
MX 11P	Stop/Reset button extension rod for M1 enclosure	5	0.010
MX 12P	Stop/Reset button extension rod for M2 enclosure	5	0.010
MX 20P	Mounting base for LPX C... contact on M0 enclosure	5	0.014
MX 21P	Mounting base for LPX C... contact on M1, M2, M25 enclosure	5	0.014
MX 30	Metal mounting plate for M3N	1	0.500
MX 31	Metal mounting plate for M24N and M25 enclosures	1	0.400

Enclosure type	Maximum operating current (≤440V) A
M0...	12
M1...	18
M2...	32
M24N	38
M25...	38
M3...	110

#### General characteristics

Enclosures are supplied with the following accessories:

Accessory	Type	Type of enclosure						
		M0 PA	M1 PA	M2 PA	M25 PA	M0 RA	M1 RA	M2 RA
Contact holder	MX 20P	1						
	MX 21P		1	1	1			
Buttons:	LPC B1176					1	1	1
- Start/Reset	LPC B2104	1	1	1	1			
- Start	LPC B1113	1	1	1	1			
Contact for Start button	LPX C10	1	1	1	1			
Stop/Reset button extension	MX 10P	1				1		
	MX 11P		1				1	
	MX 12P			1	1			1
Unused hole threaded plug	MX 01					1	1	1

- M3 PA enclosure: 2 Start and Stop/Reset pushbuttons, 2 G285 auxiliary terminals and 1 MX30 mounting plate
- M3 RA enclosure: 1 Reset pushbutton, 2 G285 auxiliary terminals and 1 MX30 mounting plate
- M3N enclosure: Supplied without accessories to be purchased separately including MX 30 mounting plate.

Enclosures can house the following devices:

M0 = BG... with/without RF9

M1 = BF09A-BF12A-BF18A with/without RF38

M2 = BF25A-BF26A-BF32A, assemblies BFA...42 with/without RF38

M24N = BF25A-BF26A-BF32A, assemblies BGR/BGT/BGC and BFA...42 without overload

M25 = BF26...BF38A, assemblies BGR/BGT/BGC and BFA...42 with/without overload

M3 = BF50...BF110 and all assemblies with/without overload.

#### Operational characteristics:

- Cable entry:
  - M0/M1/M2... - 2 knockouts PG13.5/M20 on enclosure top and bottom
  - M24N/M25... - 2 knockouts PG16/M25-PG29/M32 on enclosure top and bottom
  - M3... - Smooth surfaces; can be drilled by customer
- Ambient conditions:
  - Operating temperature: -25...+60°C
  - Storage temperature: -40...+70°C
- Degree of protection: IEC IP65 for all; UL Type 1, 12, 4/4X for M0/M1/M2/M24N/M25... types and M3...UL versions.

#### Special M3... versions

In addition to standard-indicated versions, cULus certified starters and enclosures are available up to 52A - motor control and 65A general use rating max (MX30 plate, earth/ground and neutral terminal plates are always included in this case).

Add suffix **UL** to the order code of enclosures e.g. M3N **UL**.

#### Certifications and compliance

Certifications obtained: EAC for all; for M3NUL type, UL Listed for USA and Canada (cULus - File E300050) as Industrial control panels; for M0/M1/M2PA/RA/N and other M3...UL types, UL Listed for USA and Canada (cULus - File E93602) under magnetic motor controllers as Polymeric enclosures - and CSA certified for Canada and USA (cCSAus - File 94157) as Non-metallic enclosures. UL/CSA pending for M24N and M25... types. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL 508, CSA CS22.2 n°14; UL 508A and CSA C22.1 for M3NUL type.