

Accessories

Auxiliary Contacts

Side-Mount Auxiliary Contacts



Can be fitted on the right side of manual motor protectors (XTPB, XTPR, XTPM) and manual transformer protectors (XTPT) and can be combined with XTPAXSATR... and XTPAXFA... trip indicating auxiliary contact.

Table 34-183. Side-Mount Auxiliary Contacts

Contact Configuration	Contact Sequence	Screw Terminals		Spring Cage Terminals		Price U.S. \$ ①
		Pkg. Qty.	Catalog Number	Pkg. Qty.	Catalog Number	
1NO-1NC		5	XTPAXSA11	5	XTPAXSAC11	
1NO-2NC		5	XTPAXSA12	—	—	
2NO-1NC		5	XTPAXSA21	—	—	

① Orders must be placed in multiples of package quantity listed.

Front-Mount Auxiliary Contacts



Can be fitted to manual motor protectors (XTPB, XTPR, XTPM) and manual transformer protectors (XTPT). 45 mm (XTPR...B and XTPB) or 55 mm (XTPR...D) widths of manual motor protectors remain unchanged.

Table 34-184. Front-Mount Auxiliary Contacts

Contact Configuration	Contact Sequence	Screw Terminals		Spring Cage Terminals		Price U.S. \$ ②
		Pkg. Qty.	Catalog Number	Pkg. Qty.	Catalog Number	
1NO-1NC		5	XTPAXFA11	—	—	
1NO-0NC		5	XTPAXFA10	5	XTPAXFAC10	
0NO-1NC		—	—	5	XTPAXFAC01	

② Orders must be placed in multiples of package quantity listed.

Discount Symbol **1CD7**

Side-Mount Trip Indicating Auxiliary Contacts



Can be fitted on the right side of manual motor protectors. Can be combined with standard auxiliary contacts. Trip indication: A. General Trip indication (overload) B. Short-circuit trip. Local short-circuit indication by red indicator, manually resettable.

Table 34-185. Side-Mount Trip Indicating Auxiliary Contacts

Contact Configuration	Contact Sequence	Pkg. Qty.	For Use with...	Catalog Number	Price U.S. \$ ①
2 x 1NO		2	XTPB, XTPR, XTPM, XTPT	XTPAXSATR20	
2 x 1NC		2	XTPB, XTPR, XTPM, XTPT	XTPAXSATR02	

① Orders must be placed in multiples of package quantity listed.

Early-Make Front-Mount Auxiliary Contacts



XTPBXFAEM20



XTPAXFAEM20

For use with XTPB..., B-Frame XTPR and XTPT. Can be fitted to the front of a manual motor protector. 45 mm width of manual motor protector remains unchanged. For early energization of undervoltage release, e.g. in Emergency-Stop circuits to EN 60204.

Table 34-186. Early-Make Front-Mount Auxiliary Contacts

Contact Configuration	Contact Sequence	Pkg. Qty.	For Use with...	Catalog Number	Price U.S. \$ ②
2NO		5	XTPB	XTPBXFAEM20	
2NO		2	XTPR, XTPM, XTPT	XTPAXFAEM20 ③	

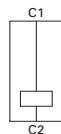
② Orders must be placed in multiples of package quantity listed.

③ Not for use with rotary handle mechanism.

Discount Symbol **1CD7**

Manual Motor Protectors

Shunt Release



Contact Sequence

Can be used to trip the manual motor protector from a remote location. Can be fitted on the left side of manual motor protectors. Cannot be combined with the XTPAXUVR. DC: Intermittent operation 5 sec.

Table 34-187. Shunt Release

Catalog Number — Screw Terminals	Catalog Number — Spring Cage Terminals	Pkg. Qty.	Price U.S. \$ ①
XTPAXSR24V50H	—	2	
XTPAXSR48V50H	—	2	
XTPAXSR110V50H	—	2	
XTPAXSR120V60H	—	2	
XTPAXSR208V60H	—	2	
XTPAXSR220V50H	—	2	
XTPAXSR230V50H	XTPAXSRC230V50H	2	
XTPAXSR240V50H	—	2	
XTPAXSR240V60H	—	2	
XTPAXSR380V50H	—	2	
XTPAXSR400V50H	—	2	
XTPAXSR415V50H	—	2	
XTPAXSR440V60H	—	2	
XTPAXSR480V60H	—	2	
XTPAXSR24VDC	XTPAXSRC24VDC	2	
XTPAXSR48VDC	—	2	
XTPAXSR60VDC	—	2	
XTPAXSR110VDC	—	2	
XTPAXSR125VDC	—	2	
XTPAXSR220VDC	—	2	
XTPAXSR250VDC	—	2	

① Orders must be placed in multiples of package quantity listed.

Undervoltage Release



Contact Sequence

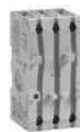
Can be used to trip the manual motor protector from a remote location. Can be fitted on left side manual motor protectors. Cannot be combined with XTPAXSR. When combined with a circuit breaker, it can be used as Emergency-Stop device to IEC/EN 60204.

Table 34-188. Undervoltage Release

Catalog Number — Screw Terminals	Catalog Number — Spring Cage Terminals	Pkg. Qty.	Price U.S. \$ ②
XTPAXUVR24V50H	—	2	
XTPAXUVR24V60H	—	2	
XTPAXUVR48V50H	—	2	
XTPAXUVR60V50H	—	2	
XTPAXUVR110V50H	—	2	
XTPAXUVR120V60H	—	2	
XTPAXUVR208V60H	—	2	
XTPAXUVR220V50H	—	2	
XTPAXUVR230V50H	XTPAXUVR230V50H	2	
XTPAXUVR240V50H	—	2	
XTPAXUVR240V60H	—	2	
XTPAXUVR380V50H	—	2	
XTPAXUVR400V50H	—	2	
XTPAXUVR415V50H	—	2	
XTPAXUVR440V60H	—	2	
XTPAXUVR480V60H	—	2	
XTPAXUVR600V60H	—	2	

② Orders must be placed in multiples of package quantity listed.

Current Limiter ③



The XTPAXCL enhances the switching capacity of the XT manual motor protectors. It can be used with the XTPB, XTPR...BC1, XTPR...DC1 for individual or group protections. The rated uninterrupted current is 63A for IEC and 25A for UL/CSA. It can be mounted next to or behind the manual motor protector. See **Tables 34-217 and 34-218** for ratings when using the current limiter.

Table 34-189. Current Limiter

Description	Contact Sequence	Pkg. Qty.	Catalog Number	Price U.S. \$
To enhance the switching capacity of non-inherently safe 10 – 25A Manual Motor Protectors to 150 kA/440V		1	XTPAXCL	

③ Max. rated operation voltage $U_e = 690V$, rated uninterrupted current $I_u = 63A$. Can be used for individual and group protection. For group protection and in combination with the XTPR...D, order additional XTPAXIT incoming terminal if required. Mounting next to or behind the manual motor protector. 16 – 63A XTPR...D: 100 kA/400V, 10 kA/690V.

Lockable Rotary Handle




Table 34-190. Replacement Lockable Rotary Handle

Description	Pkg. Qty.	Catalog Number	Price U.S. \$ ④
Lockable Rotary Handle that mounts directly to the XTPR manual motor protectors. Comes standard with XTPR.	5	XTPAXLRH	



④ Orders must be placed in multiples of package quantity listed.

IP65 Rotary Handle Mechanism

Table 34-191. IP65 Rotary Handle Mechanism ①②③④

Description	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑤
Complete Kits — Includes Handle, Shaft, and Required Hardware			
 Rotary Handle Mech IP65 Black — For use on main switches to IEC/EN 60204.	1	XTPAXRHMB	
Rotary Handle Mech IP65 Red/Yellow — For use on main switch with Emergency-Stop function to IEC/EN 60204.	1	XTPAXRHMR	
Rotary Handle Mech IP65 Black — For use on main switches to IEC/EN 60204 where XTPR is mounted 90° from vertical.	1	XTPAXRH90B	
Rotary Handle Mech IP65 Red/Yellow — For use on main switch with Emergency-Stop function to IEC/EN 60204 where XTPR is mounted 90° from vertical.	1	XTPAXRH90R	

Separate Parts

	Rotary Handle Only IP65 Black — For use on main switches to IEC/EN 60204.	10	XTPAXRHB10	
	Rotary Handle Only IP65 Red/Yellow — For use on main switch with Emergency-Stop function to IEC/EN 60204.	10	XTPAXRHRY10	
	Rotary Handle Only IP65 Black — For use on main switches to IEC/EN 60204 where XTPR is mounted 90° from vertical.	10	XTPAXRH90B10	
	Rotary Handle Only IP65 Red/Yellow — For use on main switch with Emergency-Stop function to IEC/EN 60204 where XTPR is mounted 90° from vertical.	10	XTPAXRH90RY10	
	Shaft Only — Includes Shaft to mount to XTPR, 175 mm length.	10	XTPAXRHMSFT	
	Shaft Only — Includes Shaft to mount to XTPR, 72 mm length, minimum 50 pcs. — Bulk Pack.	50	XTPAXRHMSFTB72	
	Shaft Only — Includes Shaft to mount to XTPR, 98 mm length, minimum 50 pcs. — Bulk Pack.	50	XTPAXRHMSFTB98	

- ① Plug-in connection shafts, XTPAXRHMSFT_ can be cut to desired length for mounting depths of 100 – 240 mm. Carrier with extension shaft included.
- ② With ON/OFF switch position and “+” (tripped), lockable with 3 padlocks, 4 – 8 mm hasp. Can be locked in the ON position, if required.
- ③ Rotary Handle Mechanisms ship with door interlock disabled. See instruction publication with product for how to enable door interlock.
- ④ Not for use with XTPAXFAEM20 early-make front mount auxiliary contact.
- ⑤ Orders must be placed in multiples of package quantity listed.

Sealing Facility



Table 34-192. Sealing Facility

Description	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑥
To prevent tampering with the overload release and the test function. It can be sealed using industry standard sealing wire. For use with XTPR manual motor protectors.	5	XTPAXSW	

- ⑥ Orders must be placed in multiples of package quantity listed.

Manual Motor Protectors

Three-Phase Commoning Links



Frame B



Frame D

For parallel power feed to several manual motor protectors on terminals 1, 3 and 5.


Table 34-193. Three-Phase Commoning Links ①

	For Use with...	Qty. MMP	Length of Link (mm)	Unit Width (mm)	Pkg. Qty.	Catalog Number	Price U.S. \$ ②
Frame B							
	MMP with no side mounted auxiliaries or voltage releases	2	90	45	10	XTPAXCLKA2	
		3	135	45	10	XTPAXCLKA3	
		4	180	45	10	XTPAXCLKA4	
		5	225	45	10	XTPAXCLKA5	
	Each MMP with one auxiliary contact or trip-indicating auxiliary contact fitted on the right	2	99	45 + 9	10	XTPAXCLKB2	
		3	153	45 + 9	10	XTPAXCLKB3	
		4	207	45 + 9	10	XTPAXCLKB4	
		5	261	45 + 9	10	XTPAXCLKB5	
	Each MMP with an auxiliary contact and trip-indicating auxiliary contact mounted on the right or a voltage release mounted on the left.	2	108	45 + 18	10	XTPAXCLKC2	
		4	234	45 + 18	10	XTPAXCLKC4	
Frame D							
	MMP with no side mounted auxiliaries or voltage releases	2	110	55	1	XTPAXCLKA2D	
		3	165	55	1	XTPAXCLKA3D	
		4	220	55	1	XTPAXCLKA4D	
	Each MMP with one auxiliary contact or trip-indicating auxiliary contact fitted on the right	2	119	55 + 9	1	XTPAXCLKB2D	
		3	183	55 + 9	1	XTPAXCLKB3D	
		4	247	55 + 9	1	XTPAXCLKB4D	
	Each MMP with an auxiliary contact or trip-indicating auxiliary contact mounted on the right or a voltage release mounted on the left.	2	128	55 + 18	1	XTPAXCLKC2D	
		4	274	55 + 18	1	XTPAXCLKC4D	

① Protected against accidental contact. B-Frame short circuit proof $U_e = 690V$, $I_u = 63A$; D-Frame short circuit proof $U_e = 690V$, $I_u = 128A$. Frame B links can be combined by rotating mounting. Frame D links cannot be combined.
 ② Orders must be placed in multiples of package quantity listed.

Shroud for Unused Commoning Link Terminals


Table 34-194. Shroud for Unused Terminals of Three-Phase Commoning Links

	For Use with...	Description	Pkg. Qty.	Catalog Number	Price U.S. \$ ①
	B-Frame XTPR	To cover unused terminals on three-phase commoning link. Protected against direct contact.	20	XTPAXUTS	
	D-Frame XTPR		10	XTPAXUTSD	

① Orders must be placed in multiples of package quantity listed.

Incoming Terminal for Three-Phase Commoning Link ②

Table 34-195. Incoming Terminal



	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ③
	B-Frame XTPR, XTPB	5	XTPAXIT	

② For three-phase commoning link, protected against accidental contact, $U_e = 690V$, $I_U = 63A$; For conductor cross-sections: 2.5 – 25 mm² stranded; 2.5 – 16 mm² flexible with ferrules, AWG 14-6.

③ Orders must be placed in multiples of package quantity listed.

Line-Side Adapter ④

Table 34-196. Line-Side Adapter

	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑤
	B-Frame XTPR to create a UL 508 Type E/F Manual Combination Starter	5	XTPAXLSA	
	D-Frame XTPR to create a UL 508 Type E/F Manual Combination Starter	1	XTPAXLSAD ⑥	

④ XTPAXLSA is for three-phase commoning link, finger- and back-of-hand proof, $U_e = 690V$, $I_U = 60A$ for conductor cross sections: 2.5 – 25 mm² stranded, 2.5 – 16 mm² flexible with ferrule, AWG 14-6.

⑤ Orders must be placed in multiples of package quantity listed.

⑥ XTPAXLSAD cannot be combined with three-phase commoning links.

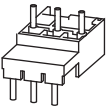
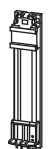
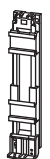
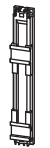
Combination Connection Kits

Table 34-197. Combination Connection Kits

	For Use with...	Description	Std. Pack	Catalog Number	Price U.S. \$
Non-reversing Starters					
	XTPR...B + XTCE...B	Comprised of: <ul style="list-style-type: none"> ■ Mechanical connection element for XTPR...B and contactor ■ Main current wiring between XTPR...B and contactor in tool-less plug connection ■ Cable guidance Use contactor auxiliary switch XTCEXFAT_ Control cable guidance: max. 6 cables up to 2.5 mm ² external diameter or 4 cables up to 3.5 mm ² external diameter.	1	XTPAXTPCB	
	XTPR...B + XTCE...C	Comprised of: <ul style="list-style-type: none"> ■ DIN rail adapter plate 	1	XTPAXTPCC	
	XTPR...D + XTCE...D	<ul style="list-style-type: none"> ■ Main current wiring between XTPR and contactor 	1	XTPAXTPCD	
Reversing Starters					
	XTPR...B + XTCE...B01_	Comprised of: <ul style="list-style-type: none"> ■ Mechanical connection element for XTPR...B and contactor ■ Reversing starter main current wiring in tool-less plug connection ■ Control cables for electrical interlocking in tool-less plug connection: - K1M: A1 - K2M: 21 - K1M: 21 - K2M: A1 - K1M: A2 - K2M: A2 ■ Cable guidance Use contactor auxiliary switch XTCEXFAT_ Control cable guidance: max. 6 cables up to 2.5 mm ² external diameter or 4 cables up to 3.5 mm ² external diameter.	1	XTPAXTPCRB	
	XTPR...B + XTCE...C	Comprised of: <ul style="list-style-type: none"> ■ DIN rail adapter plate ■ Reversing starter main current wiring 	1	XTPAXTPCRC	
Star-Delta Starter Sets					
	XTPR...B + XTCE...B	Comprised of: <ul style="list-style-type: none"> ■ DIN rail adapter plate ■ Main current wiring between XTPR...B and contactor ■ Electrical interlock between delta and star contactor ■ Use as contactor auxiliary switch XTCEXFAT_ 	1	XTPAXSDSB	
	XTPR...B + XTCE...C	Comprised of: <ul style="list-style-type: none"> ■ DIN rail adapter plate ■ Main current wiring between XTPR...B and contactor 	1	XTPAXSDSC	

Combination Connection Kits

Table 34-197. Combination Connection Kits (Continued)

	For Use with...	Description	Std. Pack	Catalog Number	Price U.S. \$ ①
Electrical Connection Module					
	XTPR...B + XTCE...C	Comprised of: ■ Main current wiring between XTPR...B and contactor ■ Use only in combination with busbar adapter	5	XTPAXECMC	
	XTPR...D + XTCE...D	Comprised of: ■ Main current wiring between XTPR...D and contactor ■ Use only in combination with busbar adapter	5	XTPAXECMD	
DIN Rail Adapter Plates					
	XTPAXTPCB XTPAXTPCRB	Comprised of: ■ 45 mm wide adapter plate with one DIN rail ■ Connection element for side-by-side positioning of further plates	4	XTPAXTPCPB	
	XTPR...B + XTCE...C XTPAXECMC	Comprised of: ■ 45 mm wide adapter plate with two DIN rails ■ Connection element for side-by-side positioning of further plates	4	XTPAXTPCRPB	
	XTPAXECMD XTPR...D + XTCE...C XTPR...D + XTCE...D	Comprised of: ■ 55 mm wide adapter plate with two DIN rails ■ Connection cams for further plates ■ For use with reversing and star-delta starters	4	XTPAXTPCPD	
Lateral Module					
	—	■ Can be grouped on the DIN rail adapter ■ Expansion of the mounting width by 9 mm	10	XTPAXLM	
Connection Element					
	—	■ For connection of several DIN rail adapters	50	XTPAXCNE	

① Orders must be placed in multiples of package quantity listed.

Manual Motor Protectors

Pushbutton MMP Enclosures



B-Frame

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Table 34-198. Insulated Enclosures for Surface Mounting of XTPB Pushbutton Motor-Protective Circuit Breakers — Global Usage ①

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP40 NEMA 1	XTPB MMP Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXSA..., XTPAXUVR..., XTPAXSR...	—	XTPBXENCS40		158 x 80 x 116.5 [6.22 x 3.15 x 4.59]
	IP65 NEMA 3R, 4X, 12, 13		With actuation membrane.	XTPBXENCS65		158 x 80 x 116.5 [6.22 x 3.15 x 4.59]
	IP65 NEMA 3R, 4X, 12, 13	XTPB MMP Only or with: XTPAXFA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position.	XTPBXENCSLO65		158 x 80 x 129.5 [6.22 x 3.15 x 5.10]
	IP65 NEMA 3R, 4X, 12, 13	XTPB MMP Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position in combination with XTPBXFAEM20 Early Make front mount auxiliary contact	XTPBXENCSLE65		158 x 80 x 129.5 [6.22 x 3.15 x 5.10]
	IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator, Red-Yellow	XTPBXENCSES65		158 x 80 x 177.2 [6.22 x 3.15 x 6.98]
	IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator, Red-Yellow key release	XTPBXENCSEK65		158 x 80 x 177.2 [6.22 x 3.15 x 6.98]

① Integrated terminal for PE(N) connection, two M25 cable entry knockouts at top and at bottom.





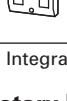

Table 34-199. Insulated Enclosures for Surface Mounting of XTPB Pushbutton Manual Motor Protectors — North American Usage ②③

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP41 NEMA 1	XTPB MMP Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	—	XTPBXENAS41		158 x 80 x 116.5 [6.22 x 3.15 x 4.59]
	IP65 NEMA 3R, 4X, 12, 13		With actuating diaphragm	XTPBXENAS65		158 x 80 x 116.5 [6.22 x 3.15 x 4.59]
	IP65 NEMA 3R, 4X, 12, 13	XTPB MMP Only or with: XTPAXFA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position	XTPBXENASLO65		158 x 80 x 129.5 [6.22 x 3.15 x 5.10]
	IP65 NEMA 3R, 4X, 12, 13	XTPB MMP Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position in combination with XTPBXFAEM20 Early Make front mount auxiliary contact.	XTPBXENASLE65		158 x 80 x 129.5 [6.22 x 3.15 x 5.10]
	IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator, Red-Yellow	XTPBXENASES65		158 x 80 x 177.2 [6.22 x 3.15 x 6.98]
	IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator, Red-Yellow key release	XTPBXENASEK65		158 x 80 x 177.2 [6.22 x 3.15 x 6.98]

② Built-in terminal for PE(N).

③ North American enclosures come with conduit adapters for use with 1/2" NPT.

Table 34-200. Insulated Enclosures for Flush Mounting of XTPB Pushbutton Manual Motor Protectors — Global and North American Usage ①

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	Front IP40 NEMA 1	XTPB Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	—	XTPBXENCF40		129 x 90.2 x 115.2 [5.08 x 3.55 x 4.54]
	Front IP65 NEMA 3R, 4X, 12, 13		With actuation membrane	XTPBXENCF55		129 x 90.2 x 115.2 [5.08 x 3.55 x 4.54]
	Front IP65 NEMA 3R, 4X, 12, 13	XTPB Only or with: XTPAXFA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position	XTPBXENCFO55		129 x 90.2 x 115.2 [5.08 x 3.55 x 4.54]
	Front IP65 NEMA 3R, 4X, 12, 13	XTPB Only or with: XTPAXFA..., XTPBXFAEM20, XTPAXUVR..., XTPAXSR..., XTPAXCL	Lockable in OFF position in combination with XTPBXFAEM20 Early Make front mount auxiliary contact	XTPBXENCFL55		129 x 90.2 x 115.2 [5.08 x 3.55 x 4.54]
	Front IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator	XTPBXENCSES55		129 x 90.2 x 175.9 [5.08 x 3.55 x 6.93]
	Front IP65 NEMA 3R, 4X, 12, 13		With Emergency-Stop (E-Stop) pushbutton actuator, key release	XTPBXENCSEK55		129 x 90.2 x 175.9 [5.08 x 3.55 x 6.93]

① Integrated terminal for PE(N) connection.

Rotary MMP Enclosures





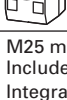



B-Frame



D-Frame

Table 34-201. Insulated Enclosures for Surface Mounting of B-Frame (0.1 – 32A) XTPR Rotary Motor-Protective Circuit Breakers — Global Usage

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP41 with vertical mounting	B-Frame XTPR Only or with: XTPAXFA..., XTPAXSA..., XTPAXSATR..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Cover with aperture dimensioned to accommodate front of MMP. IP40, when mounted turned through 90° to left/right	XTPAXENCS41 ②		160 x 100 x 104 [6.30 x 3.94 x 4.09]
	IP65		With black/grey rotary handle	XTPAXENCS65B ②		160 x 100 x 130 [6.30 x 3.94 x 5.12]
	IP65		With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCS65RY ②		160 x 100 x 130 [6.30 x 3.94 x 5.12]
	IP40	B-Frame XTPR Only or with: XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Cover with aperture dimensioned to accommodate front of MMP.	XTPAXENCS40 ③		158 x 80 x 100 [6.22 x 3.15 x 3.94]
	IP55		With black/gray rotary handle	XTPAXENCS55B ③		158 x 80 x 125.5 [6.22 x 3.15 x 4.94]
	IP55	B-Frame XTPR Only or with: XTPAXFA..., XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCS55RY ③		158 x 80 x 125.5 [6.22 x 3.15 x 4.94]

② M25 metric cable entry knock-out, top and bottom. Cable push-through membrane, top and bottom, in the back plate and as a control line entry. Includes N and PE terminals.

③ Integrated terminal for PE(N) connection, two M25 cable entry knockouts at the top and bottom.

Manual Motor Protectors

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Table 34-202. Insulated Enclosures for Surface Mounting of B-Frame (0.1 – 32A) XTPR Rotary Manual Motor Protectors — North American Usage ①

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP55 NEMA 1, 12, 3R	B-Frame XTPR Only or with: XTPAXSA...and XTPAXFA..., XTPAXUVR...and XTPAXFA..., XTPAXSR...and XTPAXFA..., XTPAXCL	With black/gray rotary handle	XTPAXENAS55B		160 x 100 x 130 [6.30 x 3.94 x 5.12]
			With red/yellow rotary handle for use as Emergency-Stop switch to VDE 0113	XTPAXENAS55RY		160 x 100 x 130 [6.30 x 3.94 x 5.12]

① Built-in N and PE terminal, lower part without knockouts.

Table 34-203. Insulated Enclosures for Surface Mounting of B-Frame XTPR (0.1 – 32A) Rotary Motor-Protective Circuit Breakers with XTPAXFAEM20 Early-Make Front Mount Auxiliary Contact — Global Usage

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP65	B-Frame XTPR and XTPAXFAEM20 only or with: XTPAXFA..., XTPAXSA..., XTPAXSATR..., XTPAXUVR..., XTPAXSR..., XTPAXCL	With black/gray rotary handle	XTPAXENCSEM65B		160 x 100 x 130 [6.30 x 3.94 x 5.12]
			With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCSEM65RY		160 x 100 x 130 [6.30 x 3.94 x 5.12]
	IP55	B-Frame XTPR and XTPAXFAEM20 only or with: XTPAXFA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	With black/gray rotary handle	XTPAXENCSEM55B		158 x 80 x 100 [6.22 x 3.15 x 3.94]
			With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCSEM55RY		158 x 80 x 100 [6.22 x 3.15 x 3.94]

Table 34-204. Insulated Enclosures for Surface Mounting of B-Frame XTPR (0.1 – 32A) Rotary Manual Motor Protectors with XTPAXFAEM20 Early-Make Front Mount Auxiliary Contact — North American Usage ②

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP55 NEMA 1, 12, 3R	B-Frame XTPR Only or with: XTPAXSA..., XTPAXUVR..., XTPAXCL	With black/grey rotary handle	XTPAXENASEM55B		160 x 100 x 130 [6.30 x 3.94 x 5.12]
			With red/yellow rotary handle for use as Emergency-Stop switch to VDE 0113	XTPAXENASEM55RY		160 x 100 x 130 [6.30 x 3.94 x 5.12]

② Built-in N and PE terminal, lower part without knockouts.

Table 34-205. Insulated Enclosures for Flush Mounting of B-Frame (0.1 – 32A) XTPR Rotary Manual Motor Protectors — Global Usage ③

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	Front IP40	B-Frame XTPR Only or with: XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXCL	Cover with aperture dimensioned to accommodate front of MMP.	XTPAXENCF40		129 x 85 x 96 [5.08 x 3.35 x 3.78]
	Front IP55	B-Frame XTPR Only or with: XTPAXSA..., XTPAXUVR..., XTPAXSR..., XTPAXFA..., XTPAXCL	With black/gray rotary handle	XTPAXENCF55B		129 x 85 x 124 [5.08 x 3.35 x 4.88]
			With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCF55RY		129 x 85 x 124 [5.08 x 3.35 x 4.88]

③ Integrated terminal for PE(N) connection.

Table 34-206. Insulated Enclosures for Surface Mounting of D-Frame (10 – 65A) Rotary Motor-Protective Circuit Breakers ④⑤

	Degree of Protection	For Use with...	Description	Catalog Number	Price U. S. \$	Approx. Dimensions mm [in] H x W x D
	IP65 NEMA 1, 12, 3R	D-Frame XTPR Only or with: XTPAXFA..., XTPAXFAEM20, XTPAXSA..., XTPAXSATR..., XTPAXUVR..., XTPAXSR..., XTPAXCL	With black/gray rotary handle	XTPAXENCSD65B		240 x 160 x 197 [9.45 x 6.30 x 7.76]
			With red/yellow rotary handle for use as Emergency-Stop switches to IEC/EN 60204	XTPAXENCSD65RY		240 x 160 x 197 [9.45 x 6.30 x 7.76]


④ Integrated terminal for PE(N) connection.

⑤ Metric knockouts:
Top ÷ bottom: M25/M32
In backplate: M25/M32
Control cable entry: M20

Discount Symbol 1CD7


MMP Enclosure Accessories

Table 34-207. XTPR Manual Motor Protector Enclosure Padlock Attachment

	For Use with...	Description	Pkg. Qty.	Catalog Number	Price U. S. \$ ①
	XTPAXENC65B, XTPAXENC65RY, XTPAXENCSEM65B, XTPAXENCSEM65RY, XTPAXENC55B, XTPAXENC55RY, XTPAXENCSEM55B, XTPAXENCSEM55RY	Padlocking feature. Up to 3 padlocks with 3 – 6 mm hasp thickness. For use as main switch to IEC/EN 60204.	3	XTPAXPL1 ②	
	XTPAXENCSD65B, XTPAXENCSD65RY		1	XTPAXPL2 ②	
	XTPAXENCF55B, XTPAXENCF55RY		3	XTPAXPL3 ③	

- ① Orders must be placed in multiples of package quantity listed.
- ② Lockable in the 0-position of the XTPR manual motor protector.
- ③ Lockable in the OFF position of the B-Frame XTPR manual motor protector.

Table 34-208. Neutral Terminal for use with XTPB and B-Frame XTPR Flush-Mount Enclosures

	For Use with...	Description	Pkg. Qty.	Catalog Number	Price U. S. \$ ④
	XTPBXENCF40, XTPBXENCF55, XTPAXENCF40, XTPAXENCF55B, XTPAXENCF55RY	For connection of a fifth conductor	20	XTPAXNT	

- ④ Orders must be placed in multiples of package quantity listed.

Metric Cable Glands to EN 50262



- With locknut and internal strain relief
- IP68 up to 5 bar, hydrogen free

Table 34-209. Metric Cable Glands

Description	Pkg. Qty.	Catalog Number	Price U. S. \$ ⑤
20.5 mm Metric Cable Gland 6 – 13 mm Wire	20	XTPAXMCG20	
25.5 mm Metric Cable Gland 9 – 17 mm Wire	20	XTPAXMCG25	
32.5 mm Metric Cable Gland 13 – 21 mm Wire	10	XTPAXMCG32	
32.5 mm Metric Cable Gland 18 – 25 mm wire	10	XTPAXMCG32G	

- ⑤ Orders must be placed in multiples of package quantity listed.

IP65 Metric Diaphragm Grommet ⑥



- IP65
- With internal push-through diaphragm

Table 34-210. IP65 Metric Diaphragm Grommet

Description	Pkg. Qty.	Catalog Number	Price U. S. \$ ⑦
20.5 mm Diaphragm Grommet 1 – 13 mm Wire	100	XTPAXMDG20	
25.5 mm Diaphragm Grommet 1 – 18 mm Wire	100	XTPAXMDG25	
32.5 mm Diaphragm Grommet 1 – 24 mm Wire	100	XTPAXMDG32	

- ⑥ With integral push-through diaphragm.
- ⑦ Orders must be placed in multiples of package quantity listed.

Indicating Lights with Neon Bulb



- For use with XTPR and XTPB enclosures
- Lights do not carry individual IP or NEMA rating. All enclosure ratings remain valid when using indicating lights.

Table 34-211. Indicating Lights

Color	Description — Indicating Light	Pkg. Qty.	Catalog Number	Price U. S. \$ ⑧
White	110 – 230V	10	XTPAXILWB	
	230 – 240V	10	XTPAXILWN	
	415 – 500V	10	XTPAXILWC	
Green	110 – 230V	10	XTPAXILGB	
	230 – 240V	10	XTPAXILGN	
	415 – 500V	10	XTPAXILGC	
Red	110 – 230V	10	XTPAXILRB	
	230 – 240V	10	XTPAXILRN	
	415 – 500V	10	XTPAXILRC	

- ⑧ Orders must be placed in multiples of package quantity listed.

Technical Data and Specifications

Table 34-212. XT Manual Motor Protectors — Technical Data and Specifications









	XTPBP16B – XTPB016B	XTPRP16B – XTPR032B	XTPR016D – XTPR063D	XTPMP16B – XTPM032B	XTPTP16B – XTPT025B
General					
Standards	IEC/EN 60947, VDE 0660, UL 508, CSA C 22.2 No. 14				
Climatic proofing	Damp heat, constant, to IEC 60068-2-78; damp heat, cyclic, to IEC 60068-2-30				
Ambient temperature, °C					
Storage	-25 / 80	-25 / 80	-25 / 70	-25 / 80	-25 / 80
Open	-25 / 55	-25 / 55	-25 / 55	-25 / 55	-25 / 55
Enclosed	-25 / 40	-25 / 40	-25 / 40	-25 / 40	-25 / 40
Mounting position					
Direction of incoming supply	As required	As required	As required	As required	As required
Degree of protection					
Device	IP20	IP20	IP20	IP20	IP20
Terminals	IP00	IP00	IP00	IP00	IP00
Protection against direct contact	Finger- and back-of-hand proof				
Shock resistance half-sinusoidal shock 10 mS to IEC 60068-2-27 (g)	25	25	15	25	25
Altitude (m), maximum	2000	2000	2000	2000	2000
Terminal capacity					
Solid (mm ²)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 50) 2 x (1 – 35)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 6) 2 x (1 – 6)
Flexible with ferrule to DIN 46228, (mm ²)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 35) 2 x (1 – 35)	1 x (1 – 6) 2 x (1 – 6)	1 x (1 – 6) 2 x (1 – 6)
Solid or stranded (AWG)	18 – 10	18 – 10	14 – 2	18 – 10	18 – 10
Terminal screw tightening torque					
Main cable, Nm	1.7	1.7	3	1.7	1.7
Main cable, lb-in	15.0	15.0	26.6	15.0	15.0
Control circuit cable, Nm	1	1	1	1	1
Control circuit cable, lb-in	8.9	8.9	8.9	8.9	8.9
Main contacts					
Rated impulse withstand voltage (U_{imp}), V AC	6000	6000	6000	6000	6000
Overvoltage category / pollution degree	III / 3	III / 3	III / 3	III / 3	III / 3
Rated operational voltage (U_e), V AC	690	690	690	690	690
Rated uninterrupted current = rated operational current ($I_u = I_e$) in amperes	25 or current setting of the overcurrent release	32 or current setting of the overcurrent release	63 or current setting of the overcurrent release	32 or current setting of the overcurrent release	25 or current setting of the overcurrent release
Rated frequency, Hz	40 – 60	40 – 60	40 – 60	40 – 60	40 – 60
Current heat loss (3-pole at operating temperature), W	6	6	22	6	6
Lifespan, mechanical (ops)	50,000	100,000	30,000	100,000	100,000
Lifespan, electrical (AC-3 at 400 V) (ops)	50,000	100,000	30,000	100,000	100,000
Maximum operating frequency, operations/hr	25	40	40	40	40
Short-circuit rating	See Page 34-165 .				
AC					
DC (kA)	60	60 (up to XTPR016B) 40 (XTPR020B – XTPR032B)	60	60 (up to XTPM016B) 40 (XTPM020B – XTPR032B)	60 (up to XTPT016B) 40 (XTPT020B – XTPT025B)
Motor switching capacity					
AC-3 (up to 690 V) in amperes	25	32	65	32	25
DC-5 (up to 250 V) in amperes	25	25 (3 contacts in series)	63 (3 contacts in series)		

Type A302 Manual Motor Protectors

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Accessories

Table 34-437. Accessories — A302

	Description	Catalog Number	Price U.S. \$
	Enclosure, Nonmetallic IP41 General Purpose IP55 Dust and Water Protection Conversion Kit (Converts IP41 Enclosure to IP55)	C799MP41 C799MP55 C320MSG1	
	Conduit Adapter — To convert PG16 Metric Threads on C799MP41 and C799MP55 to 1/2" N.P.T. Threads	C320MSA1	
	Enclosure, Semimetallic UL Listed for NEMA 1, 4, 4X, 12 and 13 Applications	C799MP11	
	Flush Plate (Cavity Mount), Nonmetallic IP41 General Purpose IP55 Dust and Water Protection Conversion Kit (Converts IP41 Flush Plate to IP55)	C799FP41 C799FP55 C320MSG2	
	Emergency Pushbutton — For Enclosures and Flush Plates E Button E Button Latch — Pull to Release	C320MSE1 C320MSE2	
	Padlock Attachment — For Enclosures and Flush Plates	C320MSD	
	Red Indicating Light 110/120V 220/240V 380/415V 420/500V 500/600V	C320MSL1A C320MSL1B C320MSL1L C320MSL1C C320MSL1D	
	Green Indicating Light 110/120V 220/240V 380/415V 420/500V 500/600V	C320MSL2A C320MSL2B C320MSL2L C320MSL2C C320MSL2D	
	Auxiliary Contacts, Side Mounted 1NO-1NC 2NO 1NO-1NC Early Closing 2NO Early Closing SPDT Logic Level (100 mA, 30V maximum)	C320MSC3 C320MSC4 C320MSC6 C320MSC7 C320MSC3L	



Enclosure with Emergency Pushbutton and Indicating Light



Enclosure with Padlock Attachment and Indicating Light



A302 MMP with Side Auxiliary Contact

Discount Symbol 1CD-1