

Circuit & Motor Protection



Manual Motor Protectors & Controllers

PRODUCT SELECTION

XTIEC Manual Motor Protectors

XTPR Manual Self-Protected Motor Starters — North American Ratings, UL 508 Type E ①

Motor Protective Device with Thermal and Magnetic Trip

Rated Uninterrupted Current — I_r (Amps)	FLA Adjustment Range / Overload Release — I_r (Amps)	Short Circuit Release — I_m (Amps)	Maximum Motor Ratings ②				Rated Short-Circuit Breaking Capacity (kA)			Line Side Adapter ①	Manual Motor Protector — Screw Terminals
			Maximum hp Rating — P (hp)				240V	480/277V	600/347V		
			3-Phase								
			200V	240V	480V/277V	600V/247V					
									Catalog Number	Catalog Number	

Frame B

0.16	0.1 – 0.16	2.2	③	③	1/2	1/2	50	50	50	XTPAXLSA	XTPRP16BC1
0.25	0.16 – 0.25	3.4	③	③	1/2	1/2	50	50	50	XTPAXLSA	XTPRP25BC1
0.4	0.25 – 0.4	5.6	③	③	1/2	1/2	50	50	50	XTPAXLSA	XTPRP40BC1
0.63	0.4 – 0.63	8.8	③	③	1/2	1/2	50	50	50	XTPAXLSA	XTPRP63BC1
1	0.63 – 1	14	③	③	1/2	1/2	50	50	50	XTPAXLSA	XTPR001BC1
1.6	1 – 1.6	22	③	③	3/4	3/4	50	50	50	XTPAXLSA	XTPR1P6BC1
2.5	1.6 – 2.5	35	1/2	1/2	1	1-1/2	50	50	50	XTPAXLSA	XTPR2P5BC1
4	2.5 – 4	56	3/4	1	2	3	50	50	50	XTPAXLSA	XTPR004BC1
6.3	4 – 6.3	88	1	1-1/2	3	5	50	50	50	XTPAXLSA	XTPR6P3BC1
10	6.3 – 11	140	3	3	7-1/2	10	50	50	50	XTPAXLSA	XTPR010BC1
12	8 – 12	168	3	3	7-1/2	—	42	42	—	XTPAXLSA	XTPR012BC1
16	10 – 16	224	3	5	10	—	42	42	—	XTPAXLSA	XTPR016BC1
20	16 – 20	280	5	5	—	—	42	42	—	XTPAXLSA	XTPR020BC1
25	20 – 25	350	5	7-1/2	15	—	18	18	—	XTPAXLSA	XTPR025BC1
32	25 – 32	448	7-1/2	10	25	—	18	18	—	XTPAXLSA	XTPR032BC1

Frame D

16	10 – 16	224	3	5	10	10	50	50	50	XTPAXLSAD	XTPR016DC1
25	16 – 25	350	7-1/2	7-1/2	20	25	50	50	50	XTPAXLSAD	XTPR025DC1
32	25 – 32	448	10	10	25	30	50	50	50	XTPAXLSAD	XTPR032DC1
40	32 – 40	560	10	10	30	40	50	50	50	XTPAXLSAD	XTPR040DC1
50	40 – 50	700	10	15	30	—	65	65	—	XTPAXLSAD	XTPR050DC1
58	50 – 58	812	15	15	40	—	65	65	—	XTPAXLSAD	XTPR058DC1
65	55 – 65	882	15	15	40	—	65	65	—	XTPAXLSAD	XTPR063DC1

① UL 508 Type E starters are assembled from a standard XTPR and a special incoming terminal line side adapter (XTPAXLSA or XTPAXLSAD).

② Select manual motor protectors by full load amperes. Maximum motor ratings (kW, hp) are for reference only.

③ In this range, calculate motor rating according to rated current. Specified values to NEC 430.6(A)(1).




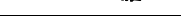
Note: A UL 508 Type E self-protected manual combination starter (XTPR) consists of a manual motor protector (XTPR) and a UL listed line side adapter (e.g., XTPAXLSA). The Type E self-protected manual combination starter alone is a legitimate short-circuit protective device and disconnect means for the downstream motor, while the contactor has been added to provide remote operation of the motor circuit.

XTIEC Manual Motor Protectors — Accessories


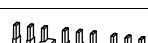

Three-Phase Commoning Links ①

	For Use with...	Qty MMP	Length of Link (mm)	Unit Width (mm)	Pkg Qty.	Catalog Number
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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

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



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.

Incoming Terminal for Three-Phase Commoning Link ①

	For Use with...	Pkg Qty.	Catalog Number
	B-Frame XTPR, XTPB	5	XTPAXIT

① 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.

Line-Side Adapter ①

	For Use with...	Pkg Qty.	Catalog Number
	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 ②

① 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.

② XTPAXLSAD cannot be combined with three-phase commoning links.