

Circuit & Motor Protection

Manual Motor Protectors & Controllers

PRODUCT SELECTION

XTIEC Manual Motor Protectors

- ON / OFF rotary handle with lockout provision
- Class 10 overload protection
- Motor applications from 0.1A to 63A
- Built-in heater and magnetic trip elements to protect the motor
- Adjustment dial for setting motor FLA
- XTPR Rotary MMP with a lineside adapter is rated for UL 508 Type E



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XTPB Pushbutton Manual Motor Protectors — Global and North American Ratings

Motor Protective Device with Thermal and Magnetic Trip

Rated Uninterrupted Current — $I_u = I_r$ (Amps)	FLA Adjustment Range / Overload Release — I_r (Amps)	Short Circuit Release — I_m (Amps)	Maximum Motor Ratings ①										Catalog Number — Screw Terminals
			Maximum kW Rating AC-3 — P (kW)					Maximum hp Rating — P (hp) UL 508 / CSA C 22.2 No. 14					
			3-Phase					3-Phase					
			220 – 240V	380 – 415V	440V	500V	660 – 690V	200V	240V	480V	600V		

Frame B

0.16	0.1 – 0.16	2.2	—	—	—	—	0.06	②	②	②	②	XTPBP16BC1
0.25	0.16 – 0.25	3.5	—	0.06	0.06	0.06	0.12	②	②	②	②	XTPBP25BC1
0.4	0.25 – 0.4	5.6	0.06	0.09	0.12	0.12	0.18	②	②	②	②	XTPBP40BC1
0.63	0.4 – 0.63	8.8	0.09	0.12	0.18	0.25	0.25	②	②	②	②	XTPBP63BC1
1	0.63 – 1	14	0.12	0.25	0.25	0.37	0.55	②	②	1/2	1/2	XTPB001BC1
1.6	1 – 1.6	22	0.25	0.55	0.55	0.75	1.1	②	②	3/4	1	XTPB1P6BC1
2.5	1.6 – 2.5	35	0.37	0.75	1.1	1.1	1.5	1/2	1/2	1	1-1/2	XTPB2P5BC1
4	2.5 – 4	56	0.75	1.5	1.5	2.2	3	1	1	2	3	XTPB004BC1
6.3	4 – 6.3	88	1.1	2.2	3	3	4	1-1/2	1-1/2	3	5	XTPB6P3BC1
10	6.3 – 10	140	2.2	4	4	4	7.5	3	3	7-1/2	10	XTPB010BC1
12	8 – 12	168	3	5.5	5.5	5.5	11	3	3	7-1/2	10	XTPB012BC1
16	10 – 16	224	4	7.5	9	9	12.5	3	5	10	10	XTPB016BC1
20	16 – 20	280	5.5	9	11	12.5	15	5	5	10	15	XTPB020BC1
25	20 – 25	350	5.5	12.5	12.5	15	22	5	7-1/2	15	20	XTPB025BC1

① Select manual motor protectors by full load amperes. Maximum motor ratings (kW, hp) are for reference only.

② In this range, calculate motor rating according to rated current. Specified values to NEC 430.6(A)(1).

Note: Service Factor (SF) — Setting I_r of current scale in dependence of load factor:

$$SF = 1.15 \rightarrow I_r = 1 \times I_n \text{ mot}$$

$$SF = 1 \rightarrow I_r = 0.9 \times I_n \text{ mot}$$