

XTOB, XTOT Overload Relays



Thermal Overload Relays

Product Description

The **XT** line of IEC motor thermal overload relays provides an efficient motor protection solution, available up to 630A. XTOB units can be directly mounted to the contactor or mounted separately.

Features and Benefits

- Direct connect up to 250A
- Stand alone and CT type up to 630A
- Large thermal overcurrent range
- Test button
- Manual/automatic selectable reset
- NO-NC auxiliary as standard
- Class 10A (to 250A)
- Class 30 (CT type)

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Standards and Certifications

- IEC EN 60947
- CE approved
- UL
- CSA
- ATEX
- RoHS



Notes

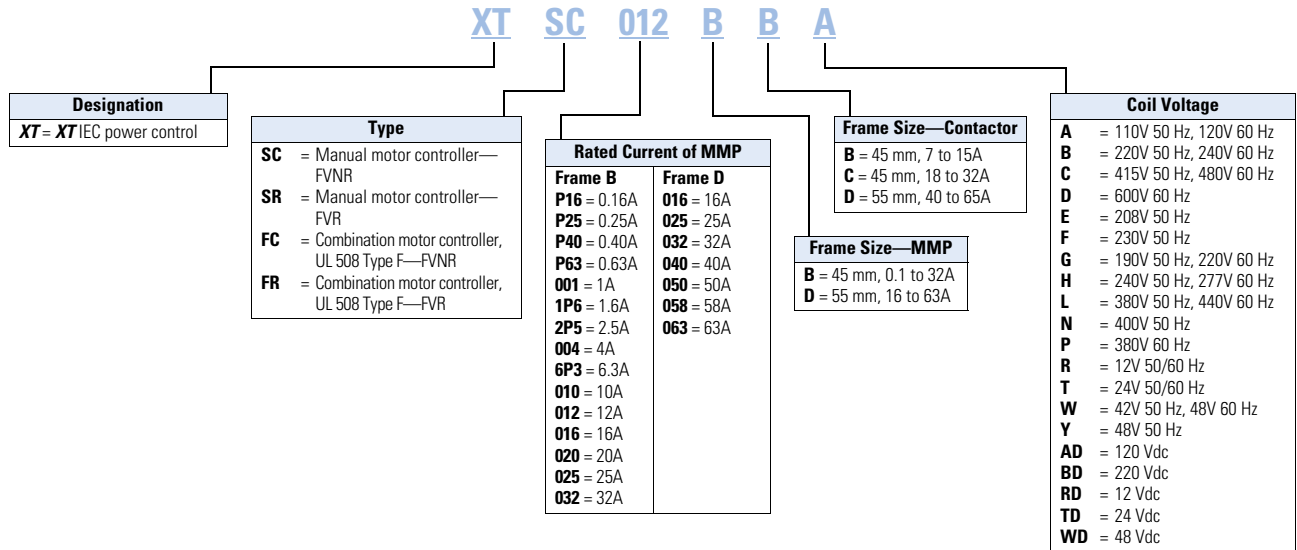
Short-circuit protection: Observe the maximum permissible fuse of the contactor with direct device mounting. See MN03402001E for more information on overload relays for Frames B–G. Trip Class: 10A
 Suitable for protection of EEx e-motors. EC prototype test certificate available upon request. See manuals MN03402001E and MN03407001E, **Page V5-T1-133**.

Instructional Leaflets

- | | |
|----------|-------------------------------------------------------|
| Pub51221 | XTOB, D Frame overload relays (inside of packaging) |
| Pub51222 | XTOB, B–C Frame overload relays (inside of packaging) |

Catalog Number Selection

Combination Motor Controllers



Product Selection

XTSC and XTSR Manual Motor Controllers (MMC)/Starter Combinations

Frame B MMP +
Frame B ContactorFactory-Assembled Manual Motor Controller—Frame B MMP + Frame B Contactor—
Maximum UL Ratings ①

FLA Adjustment
Range/Overload
Release— I_r
(Amps)



FLA Adjustment Range/Overload Release— I_r (Amps)	Short-Circuit Release— I_{rm} (Amps)	Three-Phase				Assembled Manual Motor Controller ②	
		200V	240V	480V	600V	Non-Reversing Catalog Number	Reversing Catalog Number
0.1–0.16	3.2	③	③	1/2	1/2	XTSCP16BB_	XTSRP16BB_
0.16–0.25	3.5	③	③	1/2	1/2	XTSCP25BB_	XTSRP25BB_
0.25–0.4	5.6	③	③	1/2	1/2	XTSCP40BB_	XTSRP40BB_
0.4–0.63	8.82	③	③	1/2	1/2	XTSCP63BB_	XTSRP63BB_
0.63–1	14	③	③	1/2	1/2	XTSC001BB_	XTSR001BB_
1–1.6	22.4	③	③	3/4	1	XTSC1P6BB_	XTSR1P6BB_
1.6–2.5	35	1/2	1/2	1	1-1/2	XTSC2P5BB_	XTSR2P5BB_
2.5–4	56	1	1	2	3	XTSC004BB_	XTSR004BB_
4–6.3	88.2	1-1/2	1-1/2	3	5	XTSC6P3BB_	XTSR6P3BB_
6.3–10	140	3	3	7-1/2	7.5	XTSC010BB_	XTSR010BB_
8–12	168	3	3	7-1/2	7.5	XTSC012BB_	XTSR012BB_
10–16	224	3	3	10	7.5	XTSC016BB_	—

Notes

- ① Select manual motor controllers by full load amperes. Maximum motor ratings (kW, hp) are for reference only.
 ② Underscore (_) indicates magnetic coil suffix required. See Page V5-T1-198.
 ③ In this range, calculate motor rating according to rated current. Specified values to NEC 430.6(A)(1).