

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

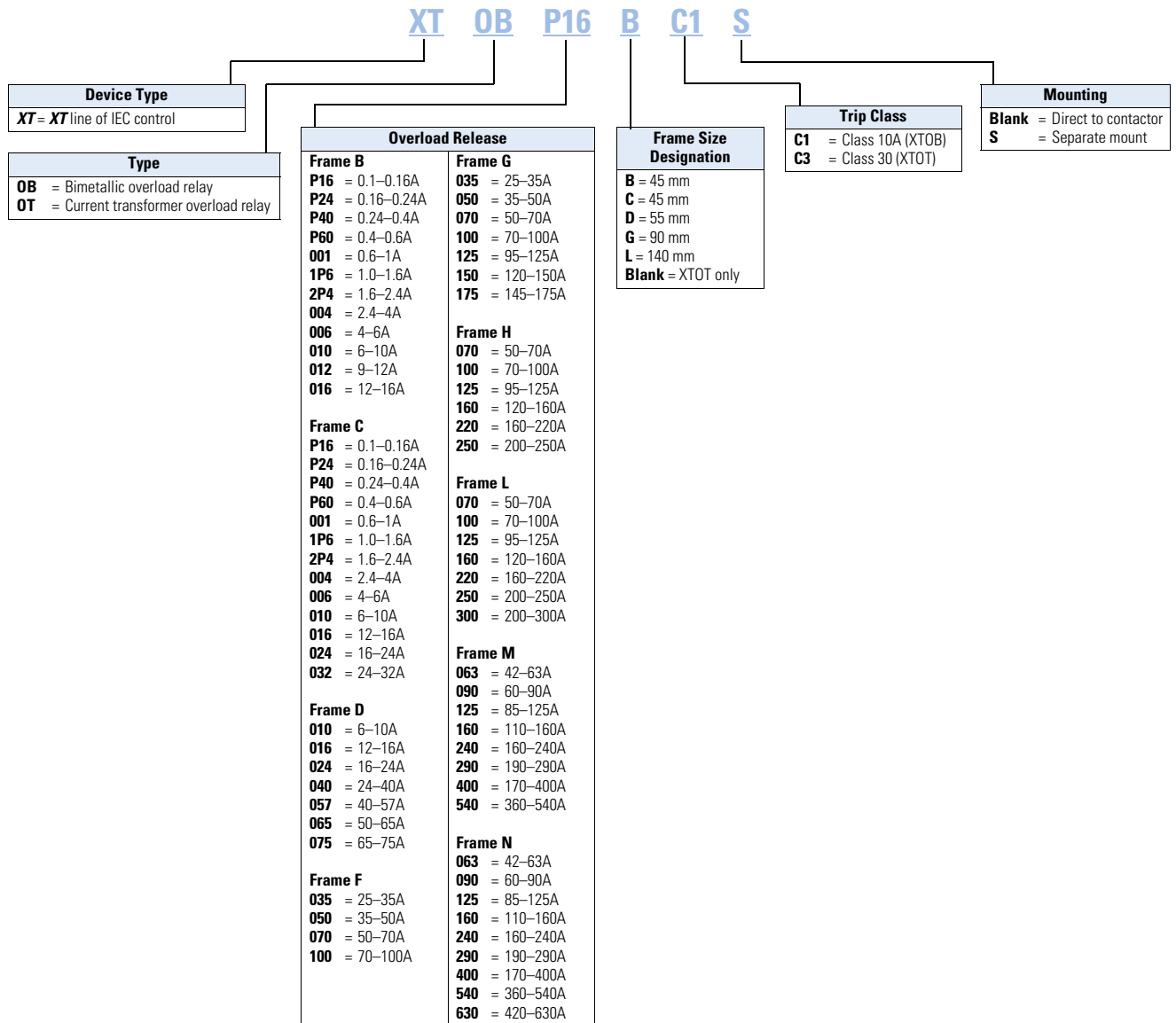
Short-circuit protection: Observe the maximum permissible fuse of the contactor with direct device mounting. See MN03402001E for more information on overload relays for Frames B–G. Trip Class: 10A
 Suitable for protection of EEx e-motors. EC prototype test certificate available upon request. See manuals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

XT IEC Overload Relays




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Frame H




Overload Relay, Separate Mount—Frame H

Overload Releases, I _r	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)		Maximum Circuit Breaker	CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Fuse Type 2 Coordination, gG/gL			
50–70	1 3 5 97 95	1NO-1NC	185–250A	250	160	150	200	XTOB070HC1
70–100	 1 3 5 97 95	1NO-1NC	185–250A	315	200	400	400	XTOB100HC1
95–125	2 4 6 98 96	1NO-1NC	185–250A	315	250	500	400	XTOB125HC1
120–160		1NO-1NC	185–250A	400	250	600	600	XTOB160HC1
160–220		1NO-1NC	185–250A	400 ^①	315 ^①	600	800	XTOB220HC1
200–250		1NO-1NC	225–250A	400 ^①	315 ^①	600	700	XTOB250HC1

Frame L




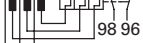

Overload Relay, Separate Mount—Frame L

Overload Releases, I _r	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)		Maximum Circuit Breaker	CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Fuse Type 2 Coordination, gG/gL			
50–70	1 3 5 97 95	1NO-1NC	185–250A	250	160	150	200	XTOB070LC1
70–100	 1 3 5 97 95	1NO-1NC	185–250A	315	200	400	400	XTOB100LC1
95–125	2 4 6 98 96	1NO-1NC	185–250A	315	250	500	400	XTOB125LC1
120–160		1NO-1NC	185–250A	400	250	600	600	XTOB160LC1
160–220		1NO-1NC	185–250A	400 ^①	315 ^①	600	800	XTOB220LC1
200–250		1NO-1NC	225–250A	400 ^①	315 ^①	600	700	XTOB250LC1
200–300		1NO-1NC	225–300A	630 ^①	630 ^①	600	700	XTOB300LC1

Frames M-N



Current Transformer Operated Overload Relays, Separate Mount—Frames M-N^②

Overload Releases, I _r	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)		Circuit Breaker	CEC/NEC Fuse	Catalog Number
				Type 1 Coordination, gG/gL	Type 2 Coordination, gG/gL			
42–63	 97 95	1NO-1NC	300–500A	—	—	150	200	XTOT063C3S
60–90	 97 95	1NO-1NC	300–500A	—	—	250	250	XTOT090C3S
85–125	 98 96	1NO-1NC	300–500A	—	—	500	400	XTOT125C3S
110–160		1NO-1NC	300–500A	—	—	600	600	XTOT160C3S
160–240		1NO-1NC	300–500A	—	—	600	700	XTOT240C3S
190–290		1NO-1NC	300–500A	—	—	600	700	XTOT290C3S
270–400		1NO-1NC	300–500A	—	—	1000	1000	XTOT400C3S
360–540		1NO-1NC	500A	—	—	600	1000	XTOT540C3S
420–630		1NO-1NC	630A	—	—	600	1000	XTOT630C3S

Notes

- ① For separate mounting, short-circuit Type 1 rating is 500A and short-circuit Type 2 rating is 400A.
- ② The main current parameters are defined by the main current wiring that is used.