

### Product Selection

#### Frame B



#### Overload Relay, Direct Mount—Frame B

Overload Releases, I <sub>r</sub>	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)			CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Type 2 Coordination, gG/gL	Maximum Circuit Breaker		
0.1–0.16	97 95	1NO-1NC	7–15A	25	0.5	25	3	<b>XTOBP16BC1</b>
0.16–0.24		1NO-1NC	7–15A	25	1	25	3	<b>XTOBP24BC1</b>
0.24–0.4		1NO-1NC	7–15A	25	2	25	3	<b>XTOBP40BC1</b>
0.4–0.6		1NO-1NC	7–15A	25	4	25	3	<b>XTOBP60BC1</b>
0.6–1		1NO-1NC	7–15A	25	4	25	3	<b>XTOB001BC1</b>
1–1.6		1NO-1NC	7–15A	25	6	25	6	<b>XTOB1P6BC1</b>
1.6–2.4		1NO-1NC	7–15A	25	10	25	6	<b>XTOB2P4BC1</b>
2.4–4		1NO-1NC	7–15A	25	16	25	15	<b>XTOB004BC1</b>
4–6		1NO-1NC	7–15A	25	20	25	20	<b>XTOB006BC1</b>
6–10		1NO-1NC	7–15A	50	25	25	35	<b>XTOB010BC1</b>
9–12		1NO-1NC	9–15A	50	25	25	45	<b>XTOB012BC1</b>
12–16		1NO-1NC	12–15A	50	25	30	45	<b>XTOB016BC1</b>

#### Frame C



#### Overload Relay, Direct Mount—Frame C

Overload Releases, I <sub>r</sub>	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)			CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Type 2 Coordination, gG/gL	Maximum Circuit Breaker		
0.1–0.16	97 95	1NO-1NC	18–32A	25	0.5	25	3	<b>XTOBP16CC1</b>
0.16–0.24		1NO-1NC	18–32A	25	1	25	3	<b>XTOBP24CC1</b>
0.24–0.4		1NO-1NC	18–32A	25	2	25	3	<b>XTOBP40CC1</b>
0.4–0.6		1NO-1NC	18–32A	25	4	25	3	<b>XTOBP60CC1</b>
0.6–1		1NO-1NC	18–32A	25	4	25	3	<b>XTOB001CC1</b>
1–1.6		1NO-1NC	18–32A	25	6	25	6	<b>XTOB1P6CC1</b>
1.6–2.4		1NO-1NC	18–32A	25	10	25	6	<b>XTOB2P4CC1</b>
2.4–4		1NO-1NC	18–32A	25	16	25	15	<b>XTOB004CC1</b>
4–6		1NO-1NC	18–32A	25	20	25	20	<b>XTOB006CC1</b>
6–10		1NO-1NC	18–32A	50	25	25	25	<b>XTOB010CC1</b>
10–16		1NO-1NC	18–32A	63	35	30	25	<b>XTOB016CC1</b>
16–24		1NO-1NC	18–32A	100	35	30	25	<b>XTOB024CC1</b>
24–32		1NO-1NC	25–32A	125	63	30	25	<b>XTOB032CC1</b>

## Frame D

## Overload Relay, Direct Mount—Frame D



Overload Releases, I <sub>r</sub>	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)			CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Fuse Type 2 Coordination, gG/gL	Maximum Circuit Breaker		
6–10		1NO-1NC	40–72A	50	25	25	25	XTOB010DC1
10–16		1NO-1NC	40–72A	63	35	25	25	XTOB016DC1
16–24		1NO-1NC	40–72A	63	50	30	25	XTOB024DC1
24–40		1NO-1NC	40–72A	125	63	125	125	XTOB040DC1
40–57		1NO-1NC	50–72A	160	80	150	150	XTOB057DC1
50–65		1NO-1NC	65–72A	160	100	150	200	XTOB065DC1
65–75		1NO-1NC	72A	200	125	150	200	XTOB075DC1

## Frames F–G

## Overload Relay, Direct Mount—Frames F–G



Overload Releases, I <sub>r</sub>	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)			CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Fuse Type 2 Coordination, gG/gL	Maximum Circuit Breaker		
25–35		1NO-1NC	80–170A	125	100	125	125	XTOB035GC1
35–50		1NO-1NC	80–170A	160	125	150	200	XTOB050GC1
50–70		1NO-1NC	80–170A	250	160	150	200	XTOB070GC1
70–100		1NO-1NC	80–170A	315	200	400	400	XTOB100GC1
95–125		1NO-1NC	80–170A	315	200	500	400	XTOB125GC1
120–150		1NO-1NC	80–170A	315	200	600	600	XTOB150GC1
145–175		1NO-1NC	150–170A	315	200	600	600	XTOB175GC1

## Frames F–G

## Overload Relay, Separate Mount—Frames F–G



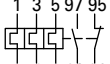
Overload Releases, I <sub>r</sub>	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A)			CEC/NEC Fuse	Catalog Number
				Fuse Type 1 Coordination, gG/gL	Fuse Type 2 Coordination, gG/gL	Maximum Circuit Breaker		
25–35		1NO-1NC	80–170A	125	100	125	125	XTOB035GC1S
35–50		1NO-1NC	80–170A	160	125	150	200	XTOB050GC1S
50–70		1NO-1NC	80–170A	250	160	150	200	XTOB070GC1S
70–100		1NO-1NC	80–170A	315	200	400	400	XTOB100GC1S
95–125		1NO-1NC	80–170A	315	250	500	400	XTOB125GC1S
120–150		1NO-1NC	80–170A	315	250	600	600	XTOB150GC1S
145–175		1NO-1NC	150–170A	315	250	600	600	XTOB175GC1S

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#### Frame H



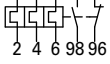
#### Overload Relay, Separate Mount—Frame H

Overload Releases, I <sub>r</sub>	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 <sup>①</sup>	315 <sup>①</sup>	600	800	XTOB220HC1
200–250		1NO-1NC	225–250A	400 <sup>①</sup>	315 <sup>①</sup>	600	700	XTOB250HC1

#### Frame L



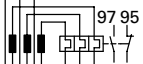
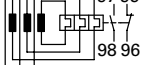
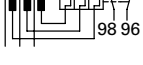
#### Overload Relay, Separate Mount—Frame L

Overload Releases, I <sub>r</sub>	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 <sup>①</sup>	315 <sup>①</sup>	600	800	XTOB220LC1
200–250		1NO-1NC	225–250A	400 <sup>①</sup>	315 <sup>①</sup>	600	700	XTOB250LC1
200–300		1NO-1NC	225–300A	630 <sup>①</sup>	630 <sup>①</sup>	600	700	XTOB300LC1

#### Frames M-N



#### Current Transformer Operated Overload Relays, Separate Mount—Frames M-N<sup>②</sup>

Overload Releases, I <sub>r</sub>	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.