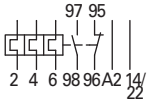
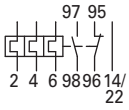
Frame B

Overload Relay, Direct Mount—Frame B

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

Frame C

Overload Relay, Direct Mount—Frame C

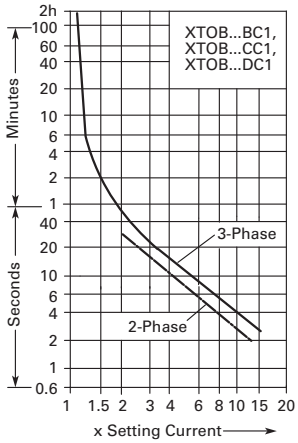
Overload Releases, I_r	Contact Sequence	Contact Configuration	For Use with Contactor Amp Range	Short-Circuit Protection (A) Fuse Type 1 Coordination, gG/gL	Type 2 Coordination, gG/gL	Maximum Circuit Breaker	CEC/NEC Fuse	Catalog Number
0.1–0.16		1NO-1NC	18–32A	25	0.5	25	3	**XTOBP16CC1**
0.16–0.24		1NO-1NC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

Tripping Characteristics

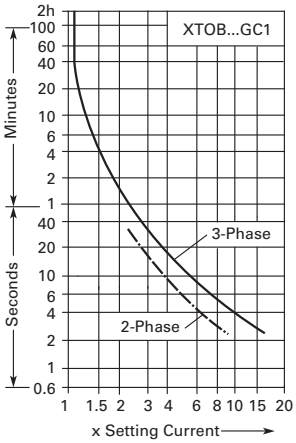
These tripping characteristics are the mean values of the spread at 20°C ambient temperature in a cold state.

Tripping time depends on response current. With devices at operating temperature, the tripping time of the overload relay reduces to approximately 25% of the read off value. Specific characteristics for each individual setting range can be found in MN03402001E.

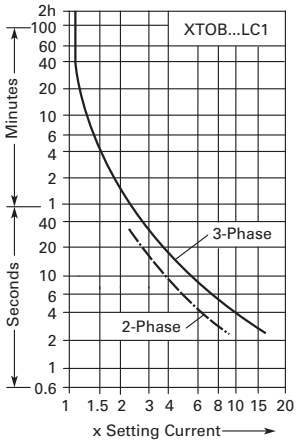
XTOB...BC1, XTOB...CC1, XTOB...DC1



XTOB...GC1



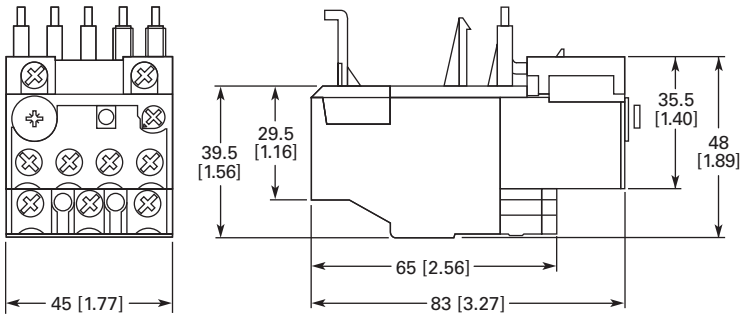
XTOB...LC1



Dimensions

Approximate Dimensions in mm [in]

Frames B–C, XTOB...BC1 and XTOB...CC1 Overload Relays



Frame D, XTOB...DC1 Overload Relay