

Bulletin 193-T1
Bimetallic Overload Relays
 Product Selection

Thermal Overload Relays

For Use With*	Setting Range [A]‡	Max. Back-up fuse [A]			Cat. No.
		gL/gG		UL Class K5	
		50 kA, 690V AC		5 kA, 600V AC	
		IEC/EN 60947-4-1 Coordination			
		Type 1	Type 2	UL 508	
100-C09...100-C23	0.1...0.16	50	—	1	193-T1AA16
	0.16...0.25	50	—	1	193-T1AA25
	0.25...0.40	50	2	1	193-T1AA40
	0.35...0.50	50	2	2	193-T1AA50
	0.45...0.63	50	2	2	193-T1AA63
	0.55...0.80	50	4	3	193-T1AA80
	0.75...1.0	50	4	3	193-T1AB10
	0.90...1.3	50	6	4	193-T1AB13
	1.1...1.6	50	6	5	193-T1AB16
	1.4...2.0	50	10	8	193-T1AB20
	1.8...2.5	50	16	10	193-T1AB25
	2.3...3.2	50	16	12	193-T1AB32
	2.9...4.0	50	16	15	193-T1AB40
	3.5...4.8	50	16	15	193-T1AB48
	4.5...6.3	50	20	20	193-T1AB63
5.5...7.5	50	25	25	193-T1AB75	
7.2...10	50	25	35	193-T1AC10	
9.0...12.5	50	35	50	193-T1AC12	
100-C12...100-C23	11.3...16	50	35	60	193-T1AC16
100-C16...100-C23	15...20	80	40	80	193-T1AC20
	17.5...21.5	80	50	80	193-T1AC21
100-C23	21...25	80	50	100	193-T1AC25
100-C30...100-C37	15...20	80	40	80	193-T1BC20
	17.5...21.5	80	50	80	193-T1BC21
	21...25	80	50	100	193-T1BC25
	24.5...30	100	63	100	193-T1BC30
	29...36	125	63	125	193-T1BC36
100-C37	33...38	125	63	150	193-T1BC38
100-C43	17...25	100	50	100	193-T1CC25
	24.5...36	125	80	125	193-T1CC36
	35...47	160	100	175	193-T1CC47
100-C60...100-C97	35...47	160	100	175	193-T1DC47
	45...60	200	125	250§	193-T1DC60
100-C72...100-C97	58...75	200	125	300§	193-T1DC75
100-C85...100-C97	72...90	250	160	350§	193-T1DC90
Separate mounting required (Panel-mounted device)	35...47	160	100	175	193-T1DC47P
	45...60	200	125	250§	193-T1DC60P
	58...75	200	125	300§	193-T1DC75P
	72...90	250	160	350§	193-T1DC90P

* Bulletin 193-T1 overload relays shall not be used with 100-C09...100-C43 conventional DC coil-controlled contactors. Use electronic controlled DC coil versions.

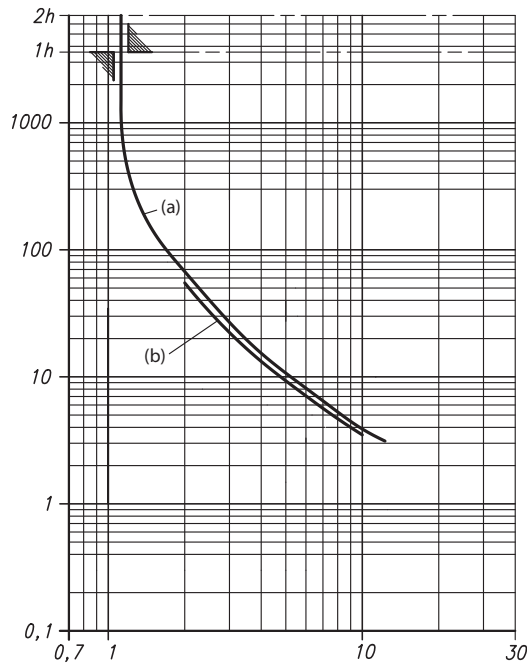
‡ To select the setting range for use in Y-Δ Starters, multiply the rated operating current of the motor by a factor of 0.58.

‡ For motors with service factor of 1.15 or greater, use motor nameplate full load current. For motors with service factor of 1.0, use 90% of the motor nameplate full load current.

§ Max. Back-up fuse [A], UL Class K5, 10 kA, 600V AC



Cat. Nos. 193-T1DC47...DC90 Overload Relays



Approximate Dimensions

Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

Cat. Nos. 193-T1AA16...AC25 Overload Relays

