

Bulletin 193-K Bimetallic Overload Relays

Miniature Bimetallic Overload Relays

Mounts to Contactor	Setting Range [A] ★ ‡	Max. Current Rating of Backup Fuse [A]				Cat. No.
		IEC Coordination		UL 508		
		Type 1	Type 2	UL Class K5/RK5, 600V, 5 kA	UL Class CC, J, 600V, 50 kA	
100-K05...100-K12	0.10...0.16	35	1	1	1	193-KA16
	0.16...0.25	35	1	1	1	193-KA25
	0.25...0.40	35	2	1	1	193-KA40
	0.35...0.50	35	2	2	2	193-KA50
	0.45...0.63	35	2	2	2	193-KA63
	0.55...0.80	35	4	3	3	193-KA80
	0.75...1.0	35	4	3	3	193-KB10
	0.9...1.3	35	6	4	4	193-KB13
	1.1...1.6	35	6	5	5	193-KB16
	1.4...2.0	35	10	8	8	193-KB20
	1.8...2.5	35	20	10	10	193-KB25
	2.3...3.2	35	20	12	12	193-KB32
	2.9...4.0	35	20	15	15	193-KB40
	3.5...4.8	35	20	15	15	193-KB48
	4.5...6.3	35	20	20	20	193-KB63
100-K09...100-K12	5.5...7.5	35	20	25	25	193-KB75
	7.2...10.0	35	20	35	30	193-KC10
100-K12	9.0...12.5	35	20	50	30	193-KC12

★ 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.

Accessories

	Description	Cat. No.
	Remote Reset Solenoid For remote reset of 193-K and 193-T1 overload relays	193-T1R⊗
	Reset Adapter Expands the reset target area when using an external reset	193-RA3
 	External Reset Button For enclosed, through-the-door reset applications. Metal construction IP66, non-illuminated with rod (length: 142 mm, adjustable range 141...159 mm). Refer to the 800F catalog pages for additional types.	Reset Button 800FM-R611
		Rod 800F-ATR08

⊗ Coil Voltage Codes for Remote Reset Solenoid

[V]	24	48	110	120	125	220...240
50 Hz	—	—	D	—	—	—
60 Hz	—	—	—	D	—	—
50/60 Hz	KJ	KY	—	—	—	KF
DC	ZJ	ZY	ZD	—	ZS	—