



Multi-TSC

# Resettable Overcurrent Protectors



Bourns' Multifuse products provide overcurrent protection against circuit faults and safeguard against potential overcurrent damage of critical circuitry and loads in a vast amount of applications.

Agency Approvals: • MF-R, MF-RX, MF-USMD, MF-MSMD, MF-SM, MF-MSMF – UL, CSA, TUV Approved • MF-NSMF – UL Approved • MF-SMDF – Agency Recognition Pending

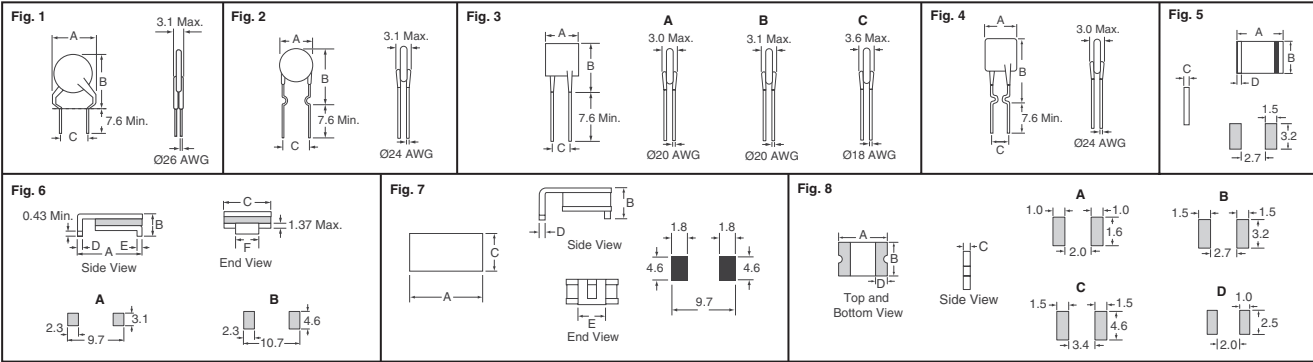


Fig.	Max. Voltage	I Max. (Amps)	Rated Current @ 23°C (Amps)		Initial Resistance @ 23°C (Ω)		Post-Trip Resistance	Dimensions – mm			Digi-Key Part No.	Price Each				Bourns Part No.	
			Hold	Trip	Min.	Max.		A (Max.)	B (Max.)	C (Nom.)		1	10	500	1,000		
1	60	40	0.05	0.10	7.3	11.1	22.0	8.0	8.3	5.1	MF-R005-0-ND	.30	.28	.25	.20	.16	MF-R005-0
2	30	40	1.10	2.20	0.10	0.18	0.27	8.9	14.0	5.1	MF-R110-ND	.35	.33	.30	.24	.21	MF-R110
			1.35	2.70	0.065	0.115	0.17	8.9	18.9	5.1	MF-R135-ND	.35	.33	.30	.24	.21	MF-R135
			1.60	3.20	0.055	0.105	0.15	10.2	16.8	5.1	MF-R160-ND	.39	.36	.33	.27	.23	MF-R160
			1.85	3.70	0.040	0.07	0.11	12.0	18.4	5.1	MF-R185-ND	.46	.42	.39	.31	.27	MF-R185
	60	40	0.10	0.20	2.50	4.50	7.50	7.4	12.7	5.1	MF-R010-ND	.36	.34	.31	.25	.22	MF-R010
			0.17	0.34	2.00	3.20	8.00	7.4	12.7	5.1	MF-R017-ND	.35	.32	.29	.23	.20	MF-R017
			0.20	0.40	1.50	2.84	4.40	7.4	12.7	5.1	MF-R020-ND	.37	.34	.31	.24	.21	MF-R020
			0.25	0.50	1.00	1.95	3.00	7.4	12.7	5.1	MF-R025-ND	.37	.34	.31	.24	.21	MF-R025
			0.30	0.60	0.76	1.36	2.10	7.4	13.4	5.1	MF-R030-ND	.38	.35	.33	.26	.23	MF-R030
			0.40	0.80	0.52	0.86	1.29	7.4	13.7	5.1	MF-R040-ND	.39	.36	.33	.26	.22	MF-R040
			0.50	1.00	0.41	0.77	1.17	7.9	13.7	5.1	MF-R050-ND	.39	.36	.33	.25	.22	MF-R050
			0.65	1.30	0.27	0.48	0.72	9.7	15.2	5.1	MF-R065-ND	.39	.36	.33	.25	.22	MF-R065
3A	30	40	0.75	1.50	0.18	0.40	0.60	10.4	16.0	5.1	MF-R075-ND	.49	.46	.40	.38	.37	MF-R075
			0.90	1.80	0.14	0.31	0.47	11.7	16.7	5.1	MF-R090-ND	.35	.33	.30	.24	.21	MF-R090
			2.50	5.00	0.025	0.048	0.07	12.0	18.3	5.1	MF-R250-ND	.43	.40	.36	.29	.23	MF-R250
			3.00	6.00	0.020	0.05	0.08	12.0	18.3	5.1	MF-R300-ND	.49	.46	.42	.34	.29	MF-R300
3B	72	40	4.00	8.00	0.010	0.03	0.05	14.4	24.8	5.1	MF-R400-ND	.47	.43	.39	.32	.27	MF-R400
			5.00	10.00	0.010	0.03	0.05	17.4	24.9	10.2	MF-R500-ND	.50	.47	.42	.34	.29	MF-R500
			6.00	12.00	0.005	0.02	0.04	19.3	31.9	10.2	MF-R600-ND	.53	.49	.44	.35	.30	MF-R600
			7.00	14.00	0.005	0.02	0.03	22.1	29.8	10.2	MF-R700-ND	.54	.50	.46	.36	.31	MF-R700
3C	16	100	8.00	16.00	0.005	0.02	0.03	24.2	32.9	10.2	MF-R800-ND	.56	.52	.47	.38	.33	MF-R800
			9.00	18.00	0.005	0.01	0.02	24.2	32.9	10.2	MF-R900-ND	.60	.56	.51	.40	.35	MF-R900
			11.00	22.00	0.003	0.01	0.014	24.2	32.9	10.2	MF-R1100-ND	.93	.86	.78	.62	.47	MF-R1100
			4.5	7.8	0.022	—	0.054	10.4	15.6	5.1	MF-RHT450-0-ND	.72	.66	.60	.48	.38	MF-RHT450
4	16	100	6.5	12.0	0.011	—	0.026	12.7	22.2	5.1	MF-RHT650-0-ND	.78	.72	.65	.52	.40	MF-RHT650-0
			7.5	13.1	0.0094	—	0.022	14.0	23.5	5.1	MF-RHT750-0-ND	.81	.75	.68	.54	.42	MF-RHT750-0
			1.10	2.20	0.15	0.25	0.38	10.84	16.8	5.1	MF-RX110/72-0-ND	.34	.32	.29	.23	.19	MF-RX110/72-0
			1.35	2.70	0.12	0.19	0.30	12.26	18.3	5.1	MF-RX135/72-0-ND	.36	.33	.30	.24	.20	MF-RX135/72-0
4	16	100	1.60	3.20	0.09	0.14	0.22	13.94	19.9	5.1	MF-RX160/72-0-ND	.38	.35	.32	.26	.20	MF-RX160/72-0
			1.85	3.70	0.08	0.12	0.19	15.18	21.2	5.1	MF-RX185/72-0-ND	.38	.35	.32	.26	.20	MF-RX185/72-0
			2.50	5.00	0.05	0.08	0.13	17.84	23.8	10.2	MF-RX250/72-0-ND	.42	.39	.35	.28	.22	MF-RX250/72-0
			3.00	6.00	0.04	0.06	0.10	20.67	26.7	10.2	MF-RX300/72-0-ND	.44	.40	.37	.29	.23	MF-RX300/72-0
4	16	100	3.75	7.50	0.03	0.05	0.08	23.51	29.6	10.2	MF-RX375/72-0-ND	.44	.40	.37	.29	.23	MF-RX375/72-0
			13.0	24.0	0.0041	—	0.010	23.5	28.7	10.2	MF-RHT1300-0-ND	.90	.83	.75	.60	.45	MF-RHT1300-0
4	16	100	0.7	1.4	0.3	—	0.8	6.86	10.8	5.1	MF-RHT070-0-ND	.63	.58	.53	.42	.33	MF-RHT070-0
			2.0	3.8	0.045	—	0.110	9.4	14.0	5.1	MF-RHT200-0-ND	.69	.64	.58	.46	.36	MF-RHT200-0

◆ RoHS Compliant

Fig.	Max. Volt.	I Max. (Amps)	Rated Current @ 23°C (Amps)		Initial Resistance @ 23°C (Ω)	Post-Trip Resistance	Dimensions – mm						Digi-Key Part No.	Cut Tape Price Each			Tape & Reel #		Bourns Part No.
			Hold	Trip			A (Max.)	B (Max.)	C (Max.)	D (Min.)	E (Max.)	F (Min.)		1	10	100	Qty.	Pricing	
5	6.0	100	1.25	2.50	0.035	0.14	4.73	3.41	0.48	0.30	—	—	MF-MSMD125CT-ND	.56	.48	.44	—	—	MF-MSMD125-2
6A	60	40	0.30	0.60	0.90	4.80	7.98	3.28	5.44	0.56	0.71	2.16	MF-SM030CT-ND	.62	.54	.50	2,000	299.25/M	MF-SM030-2
	60	40	0.50	1.00	0.35	1.40	7.98	3.28	5.44	0.56	0.71	2.16	MF-SM050CT-ND	.62	.54	.50	2,000	299.25/M	MF-SM050-2
	30	80	0.75	1.50	0.23	1.00	7.98	3.28	5.44	0.56	0.71	2.16	MF-SM075CT-ND	.62	.54	.50	2,000	299.25/M	MF-SM075-2
	30	80	1.10	2.20	0.12	0.48	7.98	3.18	5.44	0.56	0.71	2.16	MF-SM100CT-ND	.62	.54	.50	2,000	299.25/M	MF-SM100-2
	33	40	1.10	2.20	0.12	0.41	7.98	3.18	5.44	0.56	0.71	2.16	MF-SM100/33-2CT-ND	.56	.48	.44	2,000	320.00/M	MF-SM100/33-2
	15	100	1.25	2.50	0.07	0.25	7.98	3.18	5.44	0.56	0.71	2.16	MF-SM125CT-ND	.49	.42	.39	2,000	275.00/M	MF-SM125-2
	6	100	2.60	5.20	0.025	0.075	7.98	3.18	5.44	0.56	0.71	2.16	MF-SM260CT-ND	.49	.42	.39	2,000	280.00/M	MF-SM260-2
	6	100	3.00	6.00	0.015	0.048	7.98	3.18	5.44	0.56	0.71	2.16	MF-SM300-2CT-ND	.63	.54	.50	2,000	360.00/M	MF-SM300-2
6B	33	40	1.50	3.00	0.06	0.23	9.50	3.18	6.71	0.56	0.71	3.68	MF-SM150/33-2CT-ND	.65	.56	.53	1,500	312.56/M	MF-SM150/33-2
	15	100	1.50	3.00	0.06	0.25	9.50	3.18	6.71	0.56	0.71	3.68	MF-SM150CT-ND	.49	.42	.39	1,500	280.00/M	MF-SM150-2
	15	100	2.00	4.00	0.045	0.125	9.50	3.18	6.71	0.56	0.71	3.68	MF-SM200CT-ND	.53	.45	.42	1,500	300.00/M	MF-SM200-2
	15	100	2.50	5.00	0.024	0.085	9.50	3.18	6.71	0.56	0.71	3.68	MF-SM250CT-ND	.67	.58	.54	1,500	321.10/M	MF-SM250-2
7	60	250	0.13	—	6.5	20.0	9.4	3.7	7.4	0.3	3.8	—	MF-SM013/250-2CT-ND	.78	.68	.62	1,500	448.00/M	MF-SM013/250-2
8A	24.0	10	0.20	0.46	0.60	2.60	3.40	1.80	0.85	0.25	—	—	MF-NSMF020-2CT-ND	.32	.27	.25	3,000	180.00/M	MF-NSMF020-2
	6.0	100	0.35	0.75	0.30	1.20	3.40	1.80	0.85	0.25	—	—	MF-NSMF035-2CT-ND	.32	.27	.25	3,000	180.00/M	MF-NSMF035-2
	13.2	100	0.50	1.00	0.15	0.70	3.40	1.80	0.85	0.25	—	—	MF-NSMF050-2CT-ND	.46	.39	.37	3,000	219.45/M	MF-NSMF050-2
	6.0	100	0.75	1.50	0.10	0.40	3.40	1.80	0.70	0.25	—	—	MF-NSMF075-2CT-ND	.32	.27	.25	3,000	180.00/M	MF-NSMF075-2
	6.0	100	1.10	2.20	0.06	0.20	3.40	1.80	0.70	0.25	—	—	MF-NSMF110-2CT-ND	.47	.40	.38	3,000	223.25/M	MF-NSMF110-2
	6.0	100	1.50	3.00	0.03	0.13	3.40	1.80	0.70	0.25	—	—	MF-NSMF150-2CT-ND	.47	.40	.38	3,000	223.25/M	MF-NSMF150-2
8B	6.0	100	2.00	4.00	0.02	0.085	3.50	1.80	1.60	0.25	—	—	MF-NSMF200-2CT-ND	.60	.51	.47	3,000	340.00/M	MF-NSMF200-2
	60.0	40	0.10	0.30	0.70	15.00	4.73	3.41	1.10	0.30	—	—	MF-MSMF010-2CT-ND	.48	.41	.39	1,500	230.85/M	MF-MSMF010-2
	60.0	40	0.14	0.34	0.40	6.50	4.73	3.41	1.10	0.30	—	—	MF-MSMF014-2CT-ND	.48	.41	.39	1,500	228.00/M	MF-MSMF014-2
	30.0	80	0.20	0.40	0.40	6.50	4.73	3.41	1.10	0.30	—	—	MF-MSMF020-2CT-ND	.46	.40	.37	1,500	221.36/M	MF-MSMF020-2
	30.0	10	0.30	0.60	0.30	3.00	4.73	3.41	1.10										