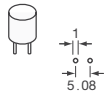




Fig.	Type	Fuse-Link (mm)	Rated Current (A)	Vol-Tage	Digi-Key Part No.	Price Each	Schurter Part No.		
FPG4 Series									
8	Holder, Slot Cap	5x20	10	250	486-1159-ND	1.84	1.48	1.33	3101.0040
	Holder, Finger Grip	5x20	10	250	486-1160-ND	1.84	1.48	1.33	3101.0045
FPG5 Series									
9	Holder, Slot Cap	5x20	10	250	486-1161-ND	1.84	1.48	1.33	3101.0050
FPG7 Series — SMD Solder Terminals									
10	Holder, Finger Grip	5x20	10	250	486-1162-ND	1.84	1.48	1.33	3101.0075
FUP Series — IP40 Rating									
11	Holder, Slot Cap	5 x 20	16	500	486-1163-ND	7.13	5.71	5.14	0031.2510
OGD Series									
12	Holder	5x20 or 6.3x32	10	500	486-1261-ND	.80	.64	.58	0031.8231
OGN Series									
13	Holder, 22.5mm Spacing	5x20	10	250	486-1258-ND	.38	.31	.28	0031.8201
	Holder, 25mm Spacing	5x20	10	250	486-1259-ND	.38	.31	.28	0031.8211
Surface Mount Types									
OGD-SMD Series									
14	Holder	5x20 or 6.3x32	10	500	486-1169-ND	.91	.74	.66	0031.8241
OGN-SMD Series									
15	Holder	5x20	10	250	486-1260-ND	.58	.47	.42	0031.8221
Fuse Clips									
Straight Terminal Fuse Clips									
16	Bronze	5x20	6.3	250	486-1173-ND†	.12	.10	.09	0751.0052
	Bronze	5x20 or 6.3x32	10	250	486-1171-ND†	.37	.30	.27	0751.0099
Kicked Terminal Fuse Clips									
16	Brass	5x20	6.3	250	486-1172-ND†	.08	.07	.06	0751.0062
	Brass	5x20 or 6.3x32	10	250	486-1170-ND†	.34	.27	.25	0751.0100

† Rear Panel Mount § Snap-In Type † Not VDE Approved

MST 250 Series Time Lag Fuses



Specifications: Size: 8.5mm x 8.5mm • Rated Voltage: 250VAC • Ambient Temperature Range: -55°C - 125°C • Housing Material: Thermoplastic, UL94V-0 • Terminal Material: Tin Plated Copper • Breaking Capacity: 35A @ 250VAC

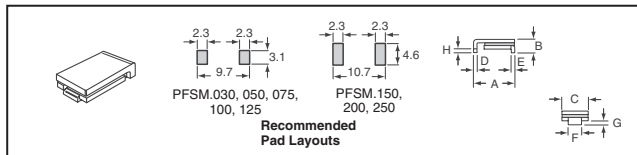
Pre-Arcing Time					
1.5 x In (Min.)	2.1 x In (Max.)	2.75 x In (Max.)	4.0 x In (Max.)	10.0 x In (Max.)	
60 min.	120 sec.	10 sec.	3 sec.	150 msec.	

Rated Current (A)	Power Dissipation (mW)	Digi-Key Part No.	Price Each	Schurter Part No.	
			1	25	50
0.5	310	486-1135-ND	.60	.49	.44
1.0	500	486-1136-ND	.60	.49	.44
1.6	730	486-1137-ND	.60	.49	.44
2.0	870	486-1138-ND	.60	.49	.44

Fast Trip PTC Surface Mount Fuses



Specifications: • Operating Temperature Range: -40°C - 85°C • Size: 5.4mm x 8.0mm



Schurter Part No.	Dimensions Maximum (mm)							
	A	B	C	D	E	F	G	H (Min.)
PFSM.030.2	7.98	3.18	5.44	0.71	0.71	2.41	1.37	0.43
PFSM.050.2	7.98	3.18	5.44	0.71	0.30	2.41	1.37	0.43
PFSM.075.2	7.98	3.18	5.44	0.71	0.71	2.41	1.37	0.43
PFSM.100.2	7.98	3.0	5.44	0.71	0.71	2.41	1.37	0.43
PFSM.125.2	7.98	3.0	5.44	0.71	0.71	2.41	1.37	0.43
PFSM.150.2	9.5	3.0	6.71	0.71	0.71	3.94	1.37	0.43
PFSM.200.2	9.5	3.0	6.71	0.71	0.71	3.94	1.37	0.43
PFSM.250.2	9.5	3.0	6.71	0.71	0.71	3.94	1.37	0.43

I _{max} (A)	V _{max} (V)	Resistance (Ω)		Digi-Key Part No.	Pricing			Tape and Reel Qty.	Schurter Part No.
		Min.	Max.		1	25	50		
10	60	1.2	2.4	486-1174-1-ND	.48	10.42	18.45	2,000	183.97/M
10	60	0.35	0.7	486-1175-1-ND	.48	10.42	18.45	2,000	183.97/M
40	30	0.35	0.7	486-1176-1-ND	.48	10.42	18.45	2,000	183.97/M
40	30	0.12	0.24	486-1177-1-ND	.48	10.42	18.45	2,000	183.97/M
40	15	0.07	0.14	486-1178-1-ND	.48	10.42	18.45	2,000	183.97/M
40	15	0.06	0.12	486-1179-1-ND	.54	11.94	21.16	1,500	209.38/M
40	15	0.05	0.10	486-1180-1-ND	.54	11.94	21.16	1,500	209.38/M
40	15	0.035	0.08	486-1181-1-ND	.54	11.94	21.16	1,500	209.38/M

† For Tape and Reel part number, change 1-ND to 2-ND.



Bimetal Cutoff Thermal Switches

These thin, lightweight, wafer-type AIRPAX® thermal switches are ideal for applications when space is at a premium. The basic switch assembly is operated by a bimetal disc with positive, reinforced snap-action which is known for its repeat reliability. For high humidity and contaminating atmosphere applications, the device is sealed with a non-volatile resin.

Specifications: • Contact Rating for 100,000 Life Cycles: **5003 series:** 5A resistive, 120VAC; 3A resistive, 240VAC; **5004 series:** 10A resistive, 240VAC • Contacts: SPST • Temperature Settings: 35°F - 325°F • Dielectric: 1500VRMS 60Hz (1 minimum) terminals to case • Exposure Limit: -40°F - 350°F • Self Resetting

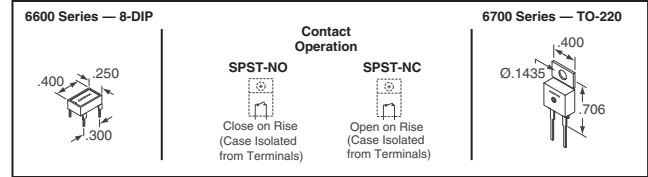


Trip Temperature (°F)	Contact Operation	Switching Current	Digi-Key Part No.	Price Each			Sensata Part No.
				1	10	50	
AIRPAX® 5003 Series (Designed for 120VAC and 240VAC)							
105	SPST-NO	5A/120VAC	723-1220-ND	8.94	8.47	7.19	C53GAB105A-090Y
120	SPST-NC	5A/120VAC	723-1225-ND	8.94	8.47	7.19	O53GAB120A-105Y
125	SPST-NC	5A/120VAC	723-1221-ND	8.94	8.47	7.19	O53GAB125A-110Y
165	SPST-NC	5A/120VAC	723-1222-ND	8.94	8.47	7.19	O53GAB165A-150Y
175	SPST-NC	5A/120VAC	723-1224-ND	8.94	8.47	7.19	O53GAB175A-160Y
190	SPST-NO	5A/120VAC	723-1226-ND	8.94	8.47	7.19	C53GAB190A-175Y
215	SPST-NO	5A/120VAC	723-1223-ND	8.94	8.47	7.19	C53GAB215B-190Y
AIRPAX® 5004 Series (Designed for 240VAC)							
240	SPST-NC	10A/240VAC	723-1227-ND	10.06	9.53	8.09	O54EAB240B-215Y

PCB Mount Thermal Switches



The AIRPAX® 6600 and 6700 series are subminiature bimetallic snap acting thermostats which provide accurate and reliable sensing and switching in a single device. Primarily developed for thermal management applications on power supplies, the AIRPAX® 6600 and 6700 series are also ideally suited for use on crowded PC boards. **Specifications:** • Contact Rating for 30,000 Life Cycles: 1A, 48VDC; 1A, 120VAC • Operating Temperature Range: 6600 Series: 40°C - 120°C (104°F - 248°F); 6700 Series: 40°C - 120°C (104°F - 266°F) • Insulation Resistance: 100MΩ at 500VDC • Self Resetting



Trip Temperature (°C)	Contact Operation	Digi-Key Part No.	Price Each			Sensata Part No.
			1	10	50	
6600 Series — 8-DIP						
60	SPST-NO	723-1216-ND	6.37	6.13	5.56	66F060
70	SPST-NC	723-1211-ND	6.37	6.13	5.56	66L070
80	SPST-NC	723-1215-ND	6.37	6.13	5.56	66L080
85	SPST-NC	723-1210-ND	6.37	6.13	5.56	66L085
85	SPST-NO	723-1212-ND	6.37	6.13	5.56	66F085
90	SPST-NC	723-1218-ND	6.37	6.13	5.56	66L090
90	SPST-NO	723-1214-ND	6.37	6.13	5.56	66F090
95	SPST-NC	723-1219-ND	6.37	6.13	5.56	66L095
95	SPST-NO	723-1217-ND	6.37	6.13	5.56	66F095
120	SPST-NO	723-1213-ND	6.37	6.13	5.56	66F120
6700 Series — TO-220						
45	SPST-NO	723-1191-ND	6.37	6.13	5.56	67F045
50	SPST-NC	723-1203-ND	7.08	6.81	6.18	67L050
50	SPST-NO	723-1192-ND	6.37	6.13	5.56	67F050
60	SPST-NC	723-1204-ND	7.08	6.81	6.18	67L060
60	SPST-NO	723-1193-ND	6.37	6.13	5.56	67F060
65	SPST-NC	723-1205-ND	6.37	6.13	5.56	67L065
65	SPST-NO	723-1194-ND	6.37	6.13	5.56	67F065
70	SPST-NC	723-1206-ND	6.37	6.13	5.56	67L070
70	SPST-NO	723-1190-ND	6.37	6.13	5.56	67F070
75	SPST-NC	723-1207-ND	6.37	6.13	5.56	67L075
75	SPST-NO	723-1195-ND	6.37	6.13	5.56	67F075
80	SPST-NC	723-1187-ND	6.37	6.13	5.56	67L080
80	SPST-NO	723-1189-ND	6.37	6.13	5.56	67F080
85	SPST-NC	723-1188-ND	6.37	6.13	5.56	67L085
85	SPST-NO	723-1196-ND	6.37	6.13	5.56	67F085
90	SPST-NC	723-1186-ND	6.37	6.13	5.56	67L090
90	SPST-NO	723-1182-ND	6.37	6.13	5.56	67F090
90	SPST-NO	723-1197-ND†	6.37	6.13	5.56	67F090P
95	SPST-NC	723-1208-ND	6.37	6.13	5.56	67L095
95	SPST-NO	723-1185-ND	6.37	6.13	5.56	67F095
95	SPST-NO	723-1198-ND†	7.08	6.81	6.18	67F095P
100	SPST-NC	723-1184-ND	6.37	6.13	5.56	67L100
100	SPST-NO	723-1181-ND	6.37	6.13	5.56	67F100
105	SPST-NO	723-1179-ND	6.37	6.13	5.56	67F105
110	SPST-NC	723-1183-ND	7.08	6.81	6.18	67L110
110	SPST-NO	723-1180-ND	6.37	6.13	5.56	67F110
110	SPST-NO	723-1199-ND†	6.37	6.13	5.56	67F110P
115	SPST-NO	723-1200-ND	6.37	6.13	5.56	67F115
120	SPST-NC	723-1209-ND	6.37	6.13	5.56	67L120
120	SPST-NO	723-1201-ND	6.37	6.13	5.56	67F120
130	SPST-NO	723-1202-ND	6.37	6.13	5.56	67F130

† With plastic mounting bracket, for applications requiring VDE

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(UK091) 1963



Encapsulated Thermal Switches

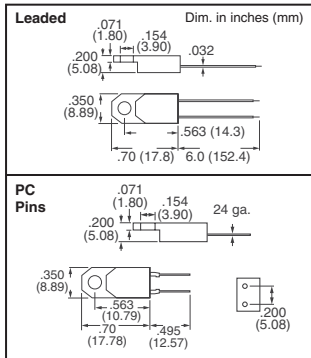
Encapsulated Thermal Switches are ideal for sensing the temperature of a surface or of stagnant air in an enclosure. Available with PC pins or with flexible wire leads for remote installation. Their high temperature resistance and high dielectric strength make it ideal for protecting heatsink-mounted semiconductors. Other applications would be protecting power supplies, or simply turning on a fan at a desired temperature.

Current Sensitivity: The thermal switches are not current sensitive at rated currents. At loads above the rated values, up to maximum loading there is self-heating of the current carrying contacts.

Insulation Resistance: Leads to Earth: 2500V @ 25°C, 1500V @ 100°C. Across open contacts, dependent on response temperature: 500V eff. AC.

Marking: Response temperature in clear text (5°C steps). Normally Closed = blue or black (epoxy); Normally Open = red (epoxy)

UL E46827 CSA LR28044-10 VDE 4523-4510-0702/329CU



Electrical Specifications

Type	N/C	N/O
Voltage Rating 50 - 60 Hz	120 V / 250 V	120 V / 250 V
Current Rating Resistive	3.0 A / 2.0 A	1 A / 1 A*
Current Rating Inductive	1.8 A / 1.2 A	1 A / 1 A
Max. Load Resistive	4.0 A	4.0 A
Short Circuit Current Up to	6.3 A	6.3 A
Contact Arrangement Normally Closed N/C Normally Open N/O		
Contact Resistance	< 40 mΩ	< 40 mΩ
Response Temperature Range	70°C - 160°C	65°C - 150°C
Tolerance Range	±5°C	±5°C
Max. Permanent Temperature of Housing - G410	220°C	220°C
Housing Material - G410	PPS	PPS
Thermal Conductivity	4.0 BTU · in. / hr. / ft ² / °F	

* When N/O contacts are closed, self heating will occur at currents exceeding normal rating. It is possible that, given certain combinations of set temperature current and ambient temperature, the contacts will not reset.

Switch Temp. (°C)	Digi-Key Part No.	Price Each	1	10	50	100	Cantherm Part No.
Thermal Switches With Leads							
Normally Closed							
70	317-1000-ND	4.76	4.17	3.52	2.42		F1107025ACFA06E
75	317-1001-ND	4.76	4.17	3.52	2.42		F1107525ACFA06E
80	317-1002-ND	4.76	4.17	3.52	2.42		F1108025ACFA06E
85	317-1003-ND	4.76	4.17	3.52	2.42		F1108525ACFA06E
90	317-1004-ND	4.76	4.17	3.52	2.42		F1109025ACFA06E
95	317-1005-ND	4.76	4.17	3.52	2.42		F1109525ACFA06E
100	317-1006-ND	4.76	4.17	3.52	2.42		F1110025ACFA06E
105	317-1007-ND	4.76	4.17	3.52	2.42		F1110525ACFA06E
110	317-1008-ND	4.76	4.17	3.52	2.42		F1111025ACFA06E
115	317-1009-ND	4.76	4.17	3.52	2.42		F1111525ACFA06E
120	317-1010-ND	4.76	4.17	3.52	2.42		F1112025ACFA06E
125	317-1011-ND	4.76	4.17	3.52	2.42		F1112525ACFA06E
130	317-1012-ND	4.76	4.17	3.52	2.42		F1113025ACFA06E
135	317-1013-ND	4.76	4.17	3.52	2.42		F1113525ACFA06E
140	317-1014-ND	4.76	4.17	3.52	2.42		F1114025ACFA06E
145	317-1015-ND	4.76	4.17	3.52	2.42		F1114525ACFA06E
150	317-1016-ND	4.76	4.17	3.52	2.42		F1115025ACFA06E
155	317-1017-ND	4.76	4.17	3.52	2.42		F1115525ACFA06E
160	317-1018-ND	4.76	4.17	3.52	2.42		F1116025ACFA06E
Normally Open							
70	317-1019-ND	6.19	5.42	4.56	3.14		F1107015ACFA06E
75	317-1020-ND	6.19	5.42	4.56	3.14		F1107515ACFA06E
80	317-1021-ND	6.19	5.42	4.56	3.14		F1108015ACFA06E
85	317-1022-ND	6.19	5.42	4.56	3.14		F1108515ACFA06E
90	317-1023-ND	6.19	5.42	4.56	3.14		F1109015ACFA06E
95	317-1024-ND	6.19	5.42	4.56	3.14		F1109515ACFA06E
100	317-1025-ND	6.19	5.42	4.56	3.14		F1110015ACFA06E
105	317-1026-ND	6.19	5.42	4.56	3.14		F1110515ACFA06E
110	317-1027-ND	6.19	5.42	4.56	3.14		F1111015ACFA06E
115	317-1028-ND	6.19	5.42	4.56	3.14		F1111515ACFA06E
120	317-1029-ND	6.19	5.42	4.56	3.14		F1112015ACFA06E
125	317-1030-ND	6.19	5.42	4.56	3.14		F1112515ACFA06E

Switch Temp. (°C)	Digi-Key Part No.	Price Each	1	10	50	100	Cantherm Part No.
Thermal Switches With PC Pins							
Normally Closed							
130	317-1031-ND	6.19	5.42	4.56	3.14		F1113015ACFA06E
135	317-1032-ND	6.19	5.42	4.56	3.14		F1113515ACFA06E
140	317-1033-ND	6.19	5.42	4.56	3.14		F1114015ACFA06E
145	317-1034-ND	6.19	5.42	4.56	3.14		F1114515ACFA06E
150	317-1035-ND	6.19	5.42	4.56	3.14		F1115015ACFA06E
Normally Open							
70	317-1038-ND	4.76	4.17	2.78	2.39		F11070251ZA0060
75	317-1039-ND	4.76	4.17	2.78	2.39		F11075251ZA0060
80	317-1040-ND	4.76	4.17	2.78	2.39		F11080251ZA0060
85	317-1041-ND	4.76	4.17	2.78	2.39		F11085251ZA0060
90	317-1042-ND	4.76	4.17	2.78	2.39		F11090251ZA0060
95	317-1043-ND	4.76	4.17	2.78	2.39		F11095251ZA0060
100	317-1044-ND	4.76	4.17	2.78	2.39		F11100251ZA0060
105	317-1045-ND	4.76	4.17	2.78	2.39		F11105251ZA0060
110	317-1046-ND	4.76	4.17	2.78	2.39		F11110251ZA0060
115	317-1047-ND	4.76	4.17	2.78	2.39		F11115251ZA0060
120	317-1048-ND	4.76	4.17	2.78	2.39		F11120251ZA0060
125	317-1049-ND	4.76	4.17	2.78	2.39		F11125251ZA0060
130	317-1050-ND	4.76	4.17	2.78	2.39		F11130251ZA0060
135	317-1051-ND	4.76	4.17	2.78	2.39		F11135251ZA0060
140	317-1052-ND	4.76	4.17	2.78	2.39		F11140251ZA0060
145	317-1053-ND	4.76	4.17	2.78	2.39		F11145251ZA0060
150	317-1054-ND	4.76	4.17	2.78	2.39		F11150251ZA0060
155	317-1055-ND	4.76	4.17	2.78	2.39		F11155251ZA0060
160	317-1056-ND	4.76	4.17	2.78	2.39		F11160251ZA0060
70	317-1321-ND	4.76	4.17	2.78	2.39		F11070253600060
75	317-1322-ND	4.76	4.17	2.78	2.39		F11075253600060
80	317-1323-ND	4.76	4.17	2.78	2.39		F11080253600060
85	317-1324-ND	4.76	4.17	2.78	2.39		F11085253600060
90	317-1325-ND	4.76	4.17	2.78	2.39		F11090253600060
95	317-1326-ND	4.76	4.17	2.78	2.39		F11095253600060
100	317-1327-ND	4.76	4.17	2.78	2.39		F11100253600060
105	317-1328-ND	4.76	4.17	2.78	2.39		F11105253600060
110	317-1329-ND	4.76	4.17	2.78	2.39		F11110253600060
115	317-1330-ND	4.76	4.17	2.78	2.39		F11115253600060
120	317-1331-ND	4.76	4.17	2.78	2.39		F11120253600060
125	317-1332-ND	4.76	4.17	2.78	2.39		F11125253600060
130	317-1333-ND	4.76	4.17	2.78	2.39		F11130253600060
135	317-1334-ND	4.76	4.17	2.78	2.39		F11135253600060

Switch Temp. (°C)	Digi-Key Part No.	Price Each	1	10	50	100	Cantherm Part No.
Normally Open							
140	317-1333-ND	4.76	4.17	2.78	2.39		F11140253600060
145	317-1334-ND	4.76	4.17	2.78	2.39		F11145253600060
150	317-1335-ND	4.76	4.17	2.78	2.39		F11150253600060
155	317-1336-ND	4.76	4.17	2.78	2.39		F11155253600060
160	317-1337-ND	4.76	4.17	2.78	2.39		F11160253600060
Normally Open							
70	317-1057-ND	6.19	5.42	3.61	3.10		F11070152A0060
75	317-1060-ND	6.19	5.42	3.61	3.10		F11085152A0060
80	317-1061-ND	6.19	5.42	3.61	3.10		F11090152A0060
85	317-1066-ND	6.19	5.42	3.61	3.10		F11115152A0060
90	317-1068-ND	6.19	5.42	3.61	3.10		F11125152A0060
95	317-1069-ND	6.19	5.42	3.61	3.10		F11130152A0060
100	317-1070-ND	6.19	5.42	3.61	3.10		F11135152A0060
105	317-1071-ND	6.19	5.42	3.61	3.10		F11140152A0060
110	317-1072-ND	6.19	5.42	3.61	3.10		F11145152A0060
115	317-1073-ND	6.19	5.42	3.61	3.10		F11150152A0060
120	317-1074-ND	6.19	5.42	3.61	3.10		F11155152A0060
125	317-1075-ND	6.19	5.42	3.61	3.10		F11160152A0060
95	317-1320-ND	6.19	5.42	3.61	3.10		F11095153600060
85	317-1342-ND	6.19	5.42	3.61	3.10		F11085153600060
90	317-1343-ND	6.19	5.42	3.61	3.10		F11090153600060
100	317-1344-ND	6.19	5.42	3.61	3.10		F11100153600060
105	317-1345-ND	6.19	5.42	3.61	3.10		F11105153600060
110	317-1346-ND	6.19	5.42	3.61	3.10		F11110153600060
115	317-1347-ND	6.19	5.42	3.61	3.10		F11115153600060
120	317-1348-ND	6.19	5.42	3.61	3.10		F11120153600060
125	317-1349-ND	6.19	5.42	3.61	3.10		F11125153600060
130	317-1350-ND	6.19	5.42	3.61	3.10		F11130153600060
135	317-1351-ND	6.19	5.42	3.61	3.10		F11135153600060
140	317-1352-ND	6.19	5.42	3.61	3.10		F11140153600060
145	317-1353-ND	6.19	5.42	3.61	3.10		F11145153600060
150	317-1354-ND	6.19	5.42	3.61	3.10		F11150153600060

Bi-metal Cutouts / Temperature Regulators / Temperature Limiters



The thermal response works a bimetal snap element electrically connected to the switch contact. The switch system is current insensitive. The thermal switches react only to external thermal effects. Double contacts ensure high switch performance and long service life. The housing, base, and the mounting brackets are voltage-free (Standard version: base and mounting brackets are aluminum-plated steel). Heat transfer occurs directly through the metallic base via convection, radiation and conduction in gaseous and solid media. The mounting flange is floating and can be rotated to any desired position with respect to the electrical terminals. **Please note: Reset temperature will be between 5°C ~ 50°C below the standard response temperature.**

ADVANTAGES:

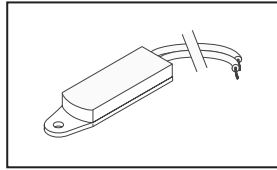
- High pressure resistance
 - High response sensitivity
 - Numerous applications
 - Various housings, connections and mounting styles
- UL E48909 CSA LR85477-1 VDE 4523-4610-1008

Electrical Specifications

Voltage Rating 50-60Hz	120V / 250V
Current Rating Resistive	15A / 10.0A
Current Rating Inductive	6.3A
Maximum Load Resistive	20A / 16A
Contact Resistance	< 50mΩ
Nominal Temperature Range	0°C ~ 170°C
Tolerance Range	±5°C

Control Thermostats

These thermostats were developed as a small, inexpensive, high performance bimetal thermostat which can be used as a controller. These thermostats use a sharp semipermanent, snap spring with a flat non-distorting bimetal.



ADVANTAGES:

- High precision • Snap action • Narrow differential • Water resistant • Extreme long life

APPLICATIONS:

- Heating appliance • Water bed heaters • Blanket heaters • Antifreeze sensors • Medical applications

Switch Temp. (°C)	Digi-Key Part No.	Price Each				Cantherm Part No.
		1	10	50	100	
Normally Closed						
15	317-1389-ND	68.24	59.72	39.76	34.13	MQT8K015XB
20	317-1388-ND	68.24	59.72	39.76	34.13	MQT8K020XB
37	317-1390-ND	68.24	59.72	39.76	34.13	MQT8K037XB
Normally Open						
0	317-1386-ND	68.24	59.72	39.76	34.13	MQT8K000XBARB
5	317-1387-ND	68.24	59.72	39.76	34.13	MQT8K005XBARB
20	317-1393-ND	68.24	59.72	39.76	34.13	MQT8K020YB
25	317-1391-ND	68.24	59.72	39.76	34.13	MQT8K025YB
35	317-1392-ND	68.24	59.72	39.76	34.13	MQT8K035YB

TS3 Series Moxie[®] Thermal Sensors

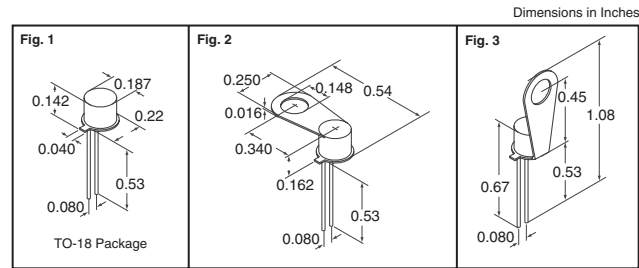
Moxies are variable resistance NTC thermal sensors having a highly specific "transition region". Within this transition region the devices exhibit a coefficient from -40%/°C - -200%/°C. Below the transition region they exhibit a linear "thermistor" characteristic of -2 - -4%/°C.

Technical Data: • Maximum Allowable Operating Temperature: 120°C • Minimum Allowable Operating Temperature: -40°C • Maximum Allowable Operating Voltage @ 25°C: 125VAC • Maximum Allowable Operating Power (Any Temperature): Normal use less or equal to 0.5mWatt • Insulation Strength (Between Leads and Cap): 600VDC • Conductors: Gold plated leads

Note: Please see data sheet for additional electrical characteristics.

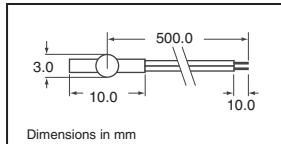
TYPICAL RESPONSE CHARACTERISTICS				
Temp. Coefficient (%/°C)	TS3-57	TS3-65	TS3-75	TS3-85
Pre-Transition	-2.0	-4.0	-3.5	-3.0
Transition	-100	-200	-70	-40
Post-Transition	-0.25	-0.5	-1.0	-1.5

Fig.	Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
1	57°C	317-1098-ND	5.43	4.76	3.20	TS3-57
2	57°C	317-1099-ND	5.98	5.24	3.49	TS3-57B3
3	57°C	317-1100-ND	5.98	5.24	3.49	TS3-57C3
1	65°C	317-1101-ND	5.43	4.76	3.20	TS3-65
2	65°C	317-1102-ND	5.98	5.24	3.49	TS3-65B3
3	65°C	317-1103-ND	5.98	5.24	3.49	TS3-65C3
1	75°C	317-1104-ND	5.43	4.76	3.20	TS3-75
2	75°C	317-1105-ND	5.98	5.24	3.49	TS3-75B3
3	75°C	317-1106-ND	5.98	5.24	3.49	TS3-75C3
1	85°C	317-1107-ND	7.47	6.79	6.40	TS3-85
2	85°C	317-1108-ND	8.23	7.48	6.96	TS3-85B3
3	85°C	317-1109-ND	8.23	7.48	6.96	TS3-85C3



YGM Series PTC Thermistors

PTC thermistors act as thermal protection for electrical machines, and are well known particularly as motor-protectors. PTC thermistors have a non-linear resistance/temperature response, and at a specified temperature the resistance changes rapidly to a very high value.



Technical Data:

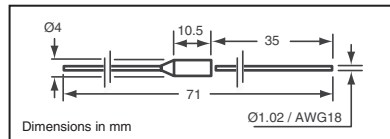
- Maximum Allowable Operating Temperature: 200°C
- Maximum Allowable Operating Voltage at 25°C: U maximum 25V
- Maximum Allowable Power Dissipation at 25°C: 690mW
- Insulation strength (between leads and outer insulation) also for threaded sensor: 2.5kV

Response Temperature	Wire Color Code	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
80°C	White - White	317-1110-ND	4.85	4.25	2.83	YGM1-C508
90°C	Green - Green	317-1111-ND	4.85	4.25	2.83	YGM1-C509
100°C	Red - Red	317-1112-ND	4.85	4.25	2.83	YGM1-C510
110°C	Brown - Brown	317-1113-ND	4.85	4.25	2.83	YGM1-C511
120°C	Grey - Grey	317-1114-ND	4.85	4.25	2.83	YGM1-C512
130°C	Blue - Blue	317-1115-ND	4.85	4.25	2.83	YGM1-C513
140°C	White - Blue	317-1116-ND	4.85	4.25	2.83	YGM1-C514
145°C	White - Black	317-1117-ND	4.85	4.25	2.83	YGM1-C545
150°C	Black - Black	317-1118-ND	4.85	4.25	2.83	YGM1-C515
155°C	Blue - Black	317-1119-ND	4.85	4.25	2.83	YGM1-C655
160°C	Blue - Red	317-1120-ND	4.85	4.25	2.83	YGM1-C516
170°C	White - Green	317-1121-ND	4.85	4.25	2.83	YGM1-C517
180°C	Red - White	317-1122-ND	4.85	4.25	2.83	YGM1-C518

Thermal Fuses

Description:

Thermal fuses are components which will automatically open a circuit and switch off an appliance, if the permissible operating temperature of the appliance is exceeded.

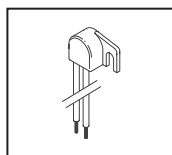


Temperature T _F	Temperature T _H	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
66°C	42°C	317-1123-ND	.71	.63	.42	SDJ1-DF066S
72°C	50°C	317-1124-ND	.71	.63	.42	SDJ1-DF072S
77°C	55°C	317-1125-ND	.71	.63	.42	SDJ1-DF077S
84°C	60°C	317-1126-ND	.71	.63	.42	SDJ1-DF084S
91°C	67°C	317-1127-ND	.71	.63	.42	SDJ1-DF091S

Temperature T _F	Temperature T _H	Digi-Key Part No.	Price Each			Cantherm Part No.
			1	10	50	
98°C	76°C	317-1128-ND	.71	.63	.42	SDJ1-DF098S
100°C	78°C	317-1129-ND	.71	.63	.42	SDJ1-DF100S
104°C	80°C	317-1130-ND	.71	.63	.42	SDJ1-DF104S
119°C	95°C	317-1132-ND	.71	.63	.42	SDJ1-DF119S
128°C	106°C	317-1133-ND	.71	.63	.42	SDJ1-DF128S
141°C	117°C	317-1134-ND	.71	.63	.42	SDJ1-DF141S
144°C	120°C	317-1135-ND	.71	.63	.42	SDJ1-DF144S
152°C	128°C	317-1136-ND	.71	.63	.42	SDJ1-DF152S
170°C	146°C	317-1137-ND	.71	.63	.42	SDJ1-DF170S
192°C	162°C	317-1139-ND	.71	.63	.42	SDJ1-DF192S
228°C	193°C	317-1141-ND	.71	.63	.42	SDJ1-DF228S
240°C	200°C	317-1142-ND	.71	.63	.42	SDJ1-DF240S

T_F = Functioning Temperature T_H = Holding Temperature

Thermal Protectors



Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
		1	10	50	
60°C	317-1395-ND	5.26	4.60	3.07	B1206025AEDA0GE
70°C	317-1396-ND	5.26	4.60	3.07	B1207025AEDA0GE
75°C	317-1397-ND	5.26	4.60	3.07	B1207525AEDA0GE
85°C	317-1398-ND	5.26	4.60	3.07	B1208525AEDA0GE
95°C	317-1399-ND	5.26	4.60	3.07	B1209525AEDA0GE

Switching Temperature	Digi-Key Part No.	Price Each			Cantherm Part No.
		1	10	50	
105°C	317-1400-ND	5.26	4.60	3.07	B1210525AEDA0GE
115°C	317-1401-ND	5.26	4.60	3.07	B1211525AEDA0GE
125°C	317-1402-ND	5.26	4.60	3.07	B1212525AEDA0GE
135°C	317-1403-ND	5.26	4.60	3.07	B1213525AEDA0GE
150°C	317-1404-ND	5.26	4.60	3.07	B1215025AEDA0GE
160°C	317-1405-ND	5.26	4.60	3.07	B1216025AEDA0GE

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