

pag

Termofusibili
Thermofuses

80, 81, 82.



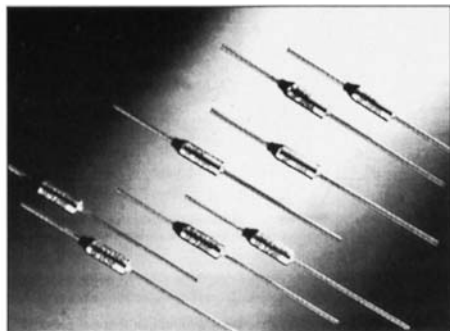
TEMPOMATIC[®]
S.R.L.

TERMOFUSIBILI
THERMOFUSES

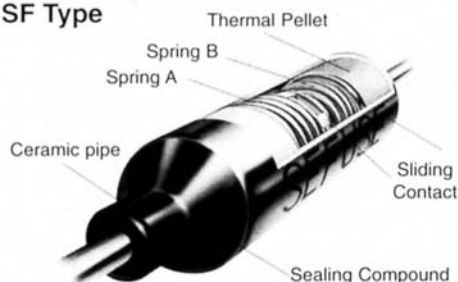
TEMPOMATIC

TERMOFUSIBILI - NEC JAPAN

Typo: SF / SM

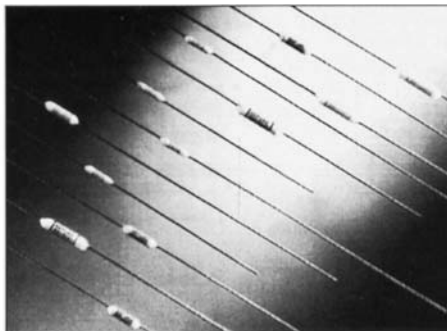


SF Type

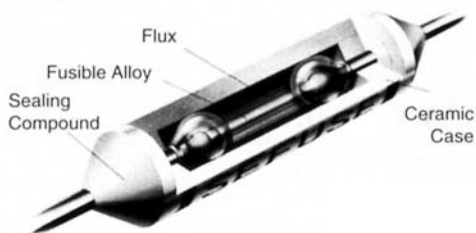


THERMAL CUTOFFS

Typo: SF / SM



SM Type



SF TYPE

• SF/E Series

Notes: The certification number of VDE applies to the products manufactured on and after July 1, 1994.

Part Number	Rated Functioning Temperature TF, Tl	Operating Temperature	T _{th} T _c	T _u T _m	Rated Current	Rated Voltage	Safety Standard				
							UL	CSA	VDE	BEAB	
SF 70E	73 °C	70 ± 2 °C	45 °C	150 °C						33-312	
SF 76E	77 °C	76 ± $\frac{0}{4}$ °C	51 °C	150 °C							
SF 91E	94 °C	91 ± $\frac{3}{3}$ °C	66 °C	150 °C						33-331	
SF 96E	99 °C	96 ± 2 °C	71 °C	150 °C						33-332	
SF 109E	113 °C	109 ± $\frac{3}{3}$ °C	84 °C	150 °C							
SF 119E	121 °C	119 ± 2 °C	94 °C	150 °C							
SF 129E	133 °C	129 ± 2 °C	104 °C	159 °C	10 A	250 °C	E71747	LR 52330	6778.2 - 4510-1008	C0312	33-333
SF139E	142 °C	139 ± 2 °C	114 °C	159 °C	(AC)	(AC)					33-334
SF 152E	157 °C	152 ± 2 °C	127 °C	172 °C							
SF 169E	172 °C	169 ± $\frac{1}{3}$ °C	144 °C	189 °C						33-335	
SF 188E	192 °C	188 ± $\frac{3}{3}$ °C	164 °C	300 °C						33-336	
SF 214E	216 °C	214 ± $\frac{1}{3}$ °C	189 °C	350 °C						33-549	
SF 226E	227 °C	226 ± $\frac{1}{3}$ °C	190 °C	300 °C						33-354	
SF 240E	240 °C	237 ± 2 °C	190 °C	350 °C							

SF TYPE

• SF/X Series

Notes: Part numbers are for standard lead devices. For long leads, add the number "-1" at the end of the part number. Part number and rated functioning temperature are marked on the surface of devices.

Part Number	Rated Functioning Temperature	Operating Temperature	Rated Current	Rated Voltage	Safety Standard
SF 70X	70 °C	70 ± 2 °C			33-312
SF 76X	76 °C	76 ± $\frac{0}{1}$ °C			
SF 91X	91 °C	91 ± $\frac{3}{1}$ °C			33-331
SF 96X	96 °C	96 ± 2 °C			
SF 109X	109 °C	109 ± $\frac{3}{1}$ °C			33-332
SF 119X	119 °C	119 ± 2 °C			
SF 129X	129 °C	129 ± 2 °C			
SF 139X	139 °C	139 ± 2 °C	15 A (AC)	250 V (AC)	33-333
SF 152X	152 °C	152 ± 2 °C			33-334
SF 169X	169 °C	169 ± $\frac{1}{3}$ °C			33-335
SF 188X	188 °C	188 ± $\frac{3}{1}$ °C			33-336
SF 214X	214 °C	214 ± $\frac{1}{3}$ °C			33-549
SF 226X	226 °C	226 ± $\frac{1}{3}$ °C			
SF 240X	240 °C	237 ± 2 °C			33-354

SM TYPE

• SM/A Series

Part Number	Rated Functioning Temperature T _F , T _I	Operating Temperature	T _H T _C	T _M T _m	Rated Current	Rated Voltage	Safety Standard				
							UL	CSA	VDE	BEAB	▽
SM065A0	70 °C	65 ± 2 °C	40 °C	80 °C	2 A (AC)	250 V (AC)	E71747	LR52330	6778.2 -4510 -1007	C0600	33-528
SM095A0	100 °C	95 ± $\frac{0}{1}$ °C	65 °C	115 °C							33-466
SM110A0	115 °C	110 ± 2 °C	80 °C	125 °C							33-472
SM126A0	131 °C	126 ± 2 °C	96 °C	140 °C							33-467
SM130A0	135 °C	130 ± 2 °C	100 °C	145 °C							33-468
SM145A0	150 °C	145 ± 2 °C	115 °C	160 °C							33-470
SM164A0	169 °C	164 ± $\frac{1}{3}$ °C	133 °C	180 °C							33-470
SM182A0	187 °C	182 ± 2 °C	152 °C	195 °C							33-556

Note: 1) Part numbers are for standard devices. For long leads, change the last number from 0 to 1.

• SM/B Series

Part Number	Rated Functioning Temperature T _F , T _I	Operating Temperature	T _H T _C	T _M T _m	Rated Current	Rated Voltage	Safety Standard				
							UL	CSA	VDE	BEAB	▽
SM095B0	100 °C	95 ± $\frac{0}{1}$ °C	65 °C	115 °C	1 A (AC)	250 V (AC)	E71747	LR52330	6778.2 -4510 -1009	C0557	33-466
SM110B0	115 °C	110 ± 2 °C	80 °C	125 °C							33-472
SM126B0	131 °C	126 ± 2 °C	96 °C	140 °C							33-467
SM130B0	135 °C	130 ± 2 °C	100 °C	145 °C							33-468
SM145B0	150 °C	145 ± 2 °C	115 °C	160 °C							

Note: 1) Part numbers are for standard devices. For long leads, change the last number from 0 to 1.

* T_m of SM145B for CSA is 155 °C

• SM/G Series

Part Number	Rated Functioning Temperature T _F , T _I	Operating Temperature	T _H T _C	T _M T _m	Rated Current	Rated Voltage	Safety Standard				
							UL	CSA	VDE	BEAB	▽
SM095G0	100 °C	95 ± $\frac{0}{1}$ °C	65 °C	115 °C	0.5 A (AC)	250 V (AC)	E71747	LR52330	6778.2 -4510 -1005	C0743	33-466
SM110G0	115 °C	110 ± 2 °C	80 °C	125 °C							33-472
SM126G0	131 °C	126 ± 2 °C	96 °C	140 °C							33-467
SM130G0	135 °C	130 ± 2 °C	100 °C	145 °C							33-468
SM145G0	150 °C	145 ± 2 °C	115 °C	160 °C							

Note: 1) Part numbers are for standard devices. For long leads, change the last number from 0 to 1.

TERMOFUSIBILE

SERIE M

Informazioni generali

Il termofusibile di questa serie è dotato di un elemento fusibile. Quando la temperatura sale e raggiunge il punto di fusione dell'elemento fusibile, questi fonde e con l'aiuto del flusso si ritira verso i due terminali creando l'apertura del circuito.

Costruzione

- 1) Cassa isolante
- 2) Elementi di fusione: lega fusibile
- 3) Flusso - composto speciale
- 4) Sigillante - resina epossidica
- 5) Cavi: filo di rame

THERMAL CUTOFFS

M SERIES

General

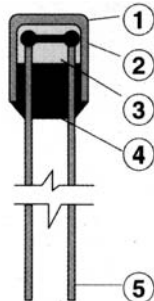
A thermal cutoff (thermal link) of this Series is provided with a fusible element. When the temperature rises and reaches the fusing point of fusible element, it fuses and by the aid of flux shrinks back at both ends into beads, hereby creating an open circuit.

Construction

- 1) Insulating case
- 2) Fusing element - Fusible alloy
- 3) Flux - Special compound
- 4) Sealant - Epoxy resin
- 5) Leads - Copper wire

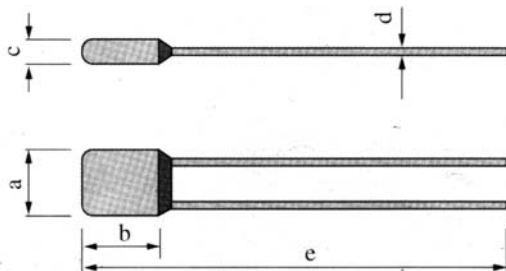
CHIUSO CLOSE

APERTO OPEN



Dimensions (in mm)

a	b	c	d	e
6.2	6.8	2.4	0.52 min.	60 min.



Type	*T _F °C	**T _H °C (T _c)	***T _M °C	*T _F Limit °C	Cutoff Temp. °C	Electrical Rating (A.C)		Specifiche Elettriche		Safety Approval		Approvazioni			
						UL, C-UL	Ampere (a) In	Voltage (v)	• C-UL	•• UL	CSA	BEAB	TUV	VDE	MITI
M10	102	75	165	+0 -10	98 ± 2	2.5A/125V	1	2	250	✓	✓	✓	✓	✓	✓
M20	115	85	165	+0 -10	110 ± 2	2.5A/125V	1	2	250	✓	✓	✓	✓	✓	✓
M30	125	90	165	+0 -10	120 ± 2	2.5A/125V	1	2	250	✓	✓	✓	✓	✓	✓
M33	130	100	165	+0 -10	126 ± 2	2.5A/125V	1	2	250	✓	✓	✓	✓	✓	✓