

A-F系列	a	b	c	d	e
尺寸单位: MM	6.2±0.5	6.3±0.5	2.5±0.2	0.54±0.05	70±3

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A1-F	102℃	98±2℃	79℃	203℃	2A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-F	115℃	112±3℃	92℃	203℃	2A	250V	
A3-F	125℃	120±3℃	101℃	203℃	2A	250V	
A4-F	130℃	126±2℃	107℃	203℃	2A	250V	
A5-F	135℃	131±3℃	112℃	203℃	2A	250V	
A7-F	138℃	135±2℃	115℃	203℃	2A	250V	
A8-F	150℃	145±3℃	126℃	203℃	2A	250V	

A-1A-F系列	a	b	c	d	e
尺寸单位: MM	5.2±0.5	4.0±0.5	2.3±0.2	0.54±0.05	70±3

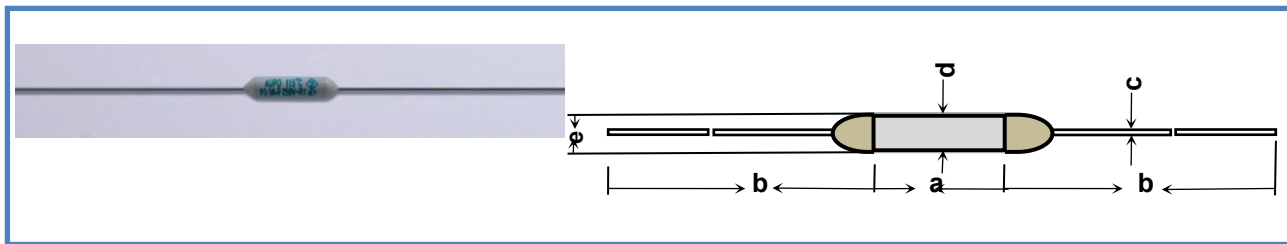
型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A1-1A-F	102℃	98±2℃	76℃	180℃	1A	250V	UL CSA VDE PSE CCC KTL ROHS
A2-1A-F	115℃	112±3℃	85℃	180℃	1A	250V	
A3-1A-F	125℃	120±3℃	97℃	180℃	1A	250V	
A4-1A-F	130℃	126±2℃	102℃	180℃	1A	250V	
A5-1A-F	135℃	131±3℃	105℃	180℃	1A	250V	
A7-1A-F	138℃	135±2℃	108℃	180℃	1A	250V	
A8-1A-F	150℃	145±3℃	120℃	180℃	1A	250V	

A-3A-F系列	a	b	c	d	e
----------	---	---	---	---	---

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A0-3A-F	84℃	82±2℃	40℃	180℃	3A	250V	UL CSA VDE PSE CCC KTL ROHS
A1-3A-F	102℃	98±2℃	63℃	180℃	3A	250V	
A2-3A-F	115℃	112±3℃	75℃	180℃	3A	250V	
A3-3A-F	125℃	120±3℃	85℃	180℃	3A	250V	
A4-3A-F	130℃	126±2℃	90℃	180℃	3A	250V	
A5-3A-F	135℃	131±3℃	90℃	180℃	3A	250V	
A7-3A-F	138℃	135±2℃	93℃	180℃	3A	250V	
A8-3A-F	150℃	145±3℃	105℃	180℃	3A	250V	

A-5A-F系列	a	b	c	d	e
尺寸单位: MM	6.6±0.5	8.0±0.5	2.6±0.2	0.6±0.05	70±3

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
A0-5A-F	84℃	82±2℃	40℃	180℃	5A	250V	UL CSA VDE PSE CCC KTL ROHS
A1-5A-F	102℃	98±2℃	63℃	180℃	5A	250V	
A2-5A-F	115℃	112±3℃	75℃	180℃	5A	250V	
A3-5A-F	125℃	120±3℃	85℃	180℃	5A	250V	
A4-5A-F	130℃	126±2℃	90℃	180℃	5A	250V	
A5-5A-F	135℃	131±3℃	90℃	180℃	5A	250V	
A7-5A-F	138℃	135±2℃	93℃	180℃	5A	250V	
A8-5A-F	150℃	145±3℃	105℃	180℃	5A	250V	



P-F系列	a	b	c	D	E
尺寸单位: MM	9.0±0.5	38±3	0.54±0.02	2.5±0.1	3.0 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P2-F	115℃	112±3℃	85℃	180℃	2A	250V	UL CSA VDE PSE CCC KTL ROHS
P3-F	125℃	120±3℃	97℃	180℃	2A	250V	
P4-F	130℃	126±2℃	102℃	180℃	2A	250V	
P5-F	135℃	131±3℃	105℃	180℃	2A	250V	
P9-F	138℃	135±2℃	108℃	180℃	2A	250V	
P7-F	150℃	145±3℃	120℃	180℃	2A	250V	

P-1A-F系列	a	b	c	D	E
尺寸单位: MM	6.5±0.5	38±3	0.54±0.02	2.1±0.1	2.4 or below

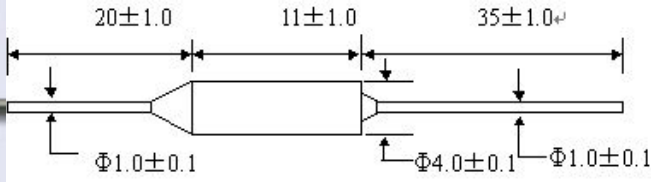
型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P2-1A-F	115℃	112±3℃	85℃	180℃	1A	250V	UL CSA VDE PSE CCC KTL ROHS
P3-1A-F	125℃	120±3℃	97℃	180℃	1A	250V	
P4-1A-F	130℃	126±2℃	102℃	180℃	1A	250V	
P5-1A-F	135℃	131±3℃	105℃	180℃	1A	250V	
P7-1A-F	138℃	135±2℃	108℃	180℃	1A	250V	
P8-1A-F	150℃	145±3℃	120℃	180℃	1A	250V	

P-3A-F系列	a	b	c	D	E
尺寸单位: MM	10.0±0.5	38±3	0.6±0.02	3.1±0.1	3.3 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P0-3A-F	84℃	82±2℃	55℃	180℃	3A	250V	UL CSA VDE PSE CCC KTL ROHS
P2-3A-F	115℃	112±3℃	75℃	180℃	3A	250V	
P3-3A-F	125℃	120±3℃	85℃	180℃	3A	250V	
P4-3A-F	130℃	126±2℃	90℃	180℃	3A	250V	
P5-3A-F	135℃	131±3℃	90℃	180℃	3A	250V	
P9-3A-F	138℃	135±2℃	95℃	180℃	3A	250V	
P7-3A-F	150℃	145±3℃	105℃	180℃	3A	250V	

P-5A-F系列	a	b	c	D	E
尺寸单位: MM	11.5±0.5	38±3	0.6±0.02	3.3±0.2	3.6 or below

型号 Model No.	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification
P0-5A-F	84℃	82±2℃	55℃	180℃	5A	250V	UL CSA VDE PSE CCC KTL ROHS
P2-5A-F	115℃	112±3℃	75℃	180℃	5A	250V	
P3-5A-F	125℃	120±3℃	85℃	180℃	5A	250V	
P4-5A-F	130℃	126±2℃	90℃	180℃	5A	250V	
P5-5A-F	135℃	131±3℃	90℃	180℃	5A	250V	
P9-5A-F	138℃	135±2℃	95℃	180℃	5A	250V	
P7-5A-F	150℃	145±3℃	105℃	180℃	5A	250V	



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification					
							UL	CUL	VDE	PSE	CCC	KTL
BF73	73°C	70±2°C	45°C	150°C	10A	250V	●	●	●	●	●	●
BF77	77°C	76+0/-4°C	51°C	150°C	10A	250V	●	●	●	●	●	●
BF84	84°C	82±2°C	58°C	150°C	10A	250V	●	●	●	●	●	●
BF94	94°C	91±3°C	66°C	150°C	10A	250V	●	●	●	●	●	●
BF99	99°C	96±2°C	71°C	150°C	10A	250V	●	●	●	●	●	●
BF104	104°C	100±2°C	79°C	150°C	10A	250V	●	●	●	●	●	●
BF113	113°C	109+3/-1°C	84°C	150°C	10A	250V	●	●	●	●	●	●
BF117	117°C	115±2°C	92°C	160°C	10A	250V	●	●	●	●	●	●
BF121	121°C	119+2/-3°C	94°C	160°C	10A	250V	●	●	●	●	●	●
BF133	133°C	129±2°C	104°C	160°C	10A	250V	●	●	●	●	●	●
BF142	142°C	139+2/-3°C	114°C	160°C	10A	250V	●	●	●	●	●	●
BF157	157°C	152±2°C	127°C	172°C	10A	250V	●	●	●	●	●	●
BF172	172°C	169+3/-1°C	144°C	189°C	10A	250V	●	●	●	●	●	●
BF184	184°C	182+1/-3°C	159°C	210°C	10A	250V	●	●	●	●	●	●
BF192	192°C	188±3°C	170°C	250°C	10A	250V	●	●	●	●	●	●
BF216	216°C	214+2/-3°C	191°C	380°C	10A	250V	●	●	●	●	●	●
BF229	229°C	226+3/-2°C	200°C	380°C	10A	250V	●	●	●	●	●	●
BF240	240°C	235±3°C	200°C	300°C	10A	250V	●	●	●	●	●	●

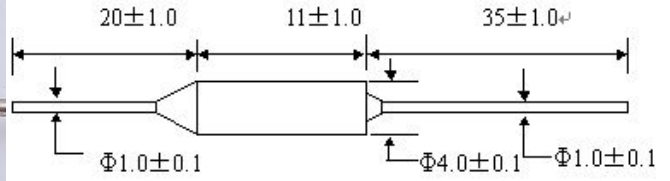
Terms Explanation

Rated function temperature(Tf):	The temperature at which an electrical or mechanical device operates. According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10°C. (DENAN Law regulates the tolerance range ±7°C)
Measured function temperature:	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1°C per minute in a silicon oil bath.
Holding temperature(Th):	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm):	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir):	The maximum current the fuse can bear.
Rated voltage(Ur):	The maximum working voltage of the fuse.

温度保险丝 Thermal cutoff Fuse



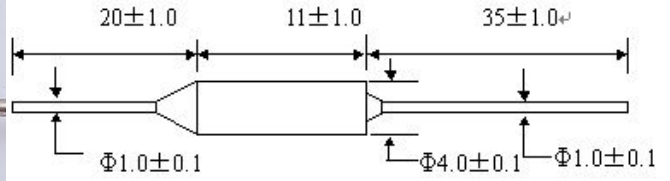
BF感温颗粒系列
BF***X type



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification		
							VDE	CCC	ROHS
BF73X	73℃	70±2℃	45℃	150℃	16A	250V	●	●	●
BF77X	77℃	76+0/-4℃	51℃	150℃	16A	250V	●	●	●
BF84X	84℃	82±2℃	58℃	150℃	16A	250V	●	●	●
BF94X	94℃	91±3℃	66℃	150℃	16A	250V	●	●	●
BF99X	99℃	96±2℃	71℃	150℃	16A	250V	●	●	●
BF104X	104℃	100±2℃	79℃	150℃	16A	250V	●	●	●
BF113X	113℃	109+3/-1℃	84℃	150℃	16A	250V	●	●	●
BF117X	117℃	115±2℃	92℃	160℃	16A	250V	●	●	●
BF121X	121℃	119+2/-3℃	94℃	160℃	16A	250V	●	●	●
BF133X	133℃	129±2℃	104℃	160℃	16A	250V	●	●	●
BF142X	142℃	139+2/-3℃	114℃	160℃	16A	250V	●	●	●
BF157X	157℃	152±2℃	127℃	172℃	16A	250V	●	●	●
BF172X	172℃	169+3/-1℃	144℃	189℃	16A	250V	●	●	●
BF184X	184℃	182+1/-3℃	159℃	210℃	16A	250V	●	●	●
BF192X	192℃	188±3℃	170℃	250℃	16A	250V	●	●	●
BF216X	216℃	214+2/-3℃	191℃	380℃	16A	250V	●	●	●
BF229X	229℃	226+3/-2℃	200℃	380℃	16A	250V	●	●	●
BF240X	240℃	235±3℃	200℃	300℃	16A	250V	●	●	●

Terms Explanation

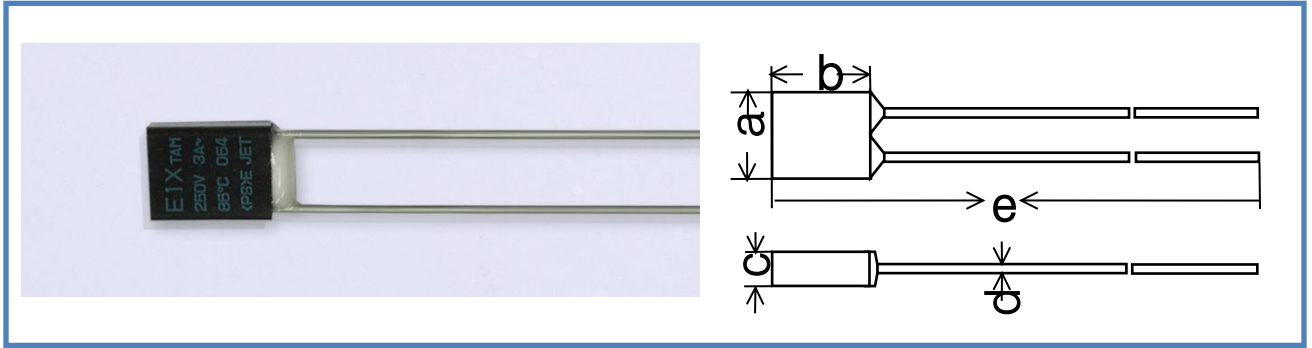
Rated function temperature(Tf):	The temperature at which an electrical or mechanical device operates. According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃. (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature:	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th):	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm):	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir):	The maximum current the fuse can bear.
Rated voltage(Ur):	The maximum working voltage of the fuse.



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification			
							UL	CUL	PSE	ROH S
BF73-I	73°C	70±2°C	45°C	150°C	16A	125V	●	●	●	●
BF77-I	77°C	76+0/-4°C	51°C	150°C	16A	125V	●	●	●	●
BF84-I	84°C	82±2°C	58°C	150°C	16A	125V	●	●	●	●
BF94-I	94°C	91±3°C	66°C	150°C	16A	125V	●	●	●	●
BF99-I	99°C	96±2°C	71°C	150°C	16A	125V	●	●	●	●
BF104-I	104°C	100±2°C	79°C	150°C	16A	125V	●	●	●	●
BF113-I	113°C	109+3/-1°C	84°C	150°C	16A	125V	●	●	●	●
BF117-I	117°C	115±2°C	92°C	160°C	16A	125V	●	●	●	●
BF121-I	121°C	119+2/-3°C	94°C	160°C	16A	125V	●	●	●	●
BF133-I	133°C	129±2°C	104°C	160°C	16A	125V	●	●	●	●
BF142-I	142°C	139+2/-3°C	114°C	160°C	16A	125V	●	●	●	●
BF157-I	157°C	152±2°C	127°C	172°C	16A	125V	●	●	●	●
BF172-I	172°C	169+3/-1°C	144°C	189°C	16A	125V	●	●	●	●
BF184-I	184°C	182+1/-3°C	159°C	210°C	16A	125V	●	●	●	●
BF192-I	192°C	188±3°C	170°C	250°C	16A	125V	●	●	●	●
BF216-I	216°C	214+2/-3°C	191°C	380°C	16A	125V	●	●	●	●
BF229-I	229°C	226+3/-2°C	200°C	380°C	16A	125V	●	●	●	●
BF240-I	240°C	235±3°C	200°C	300°C	16A	125V	●	●	●	●

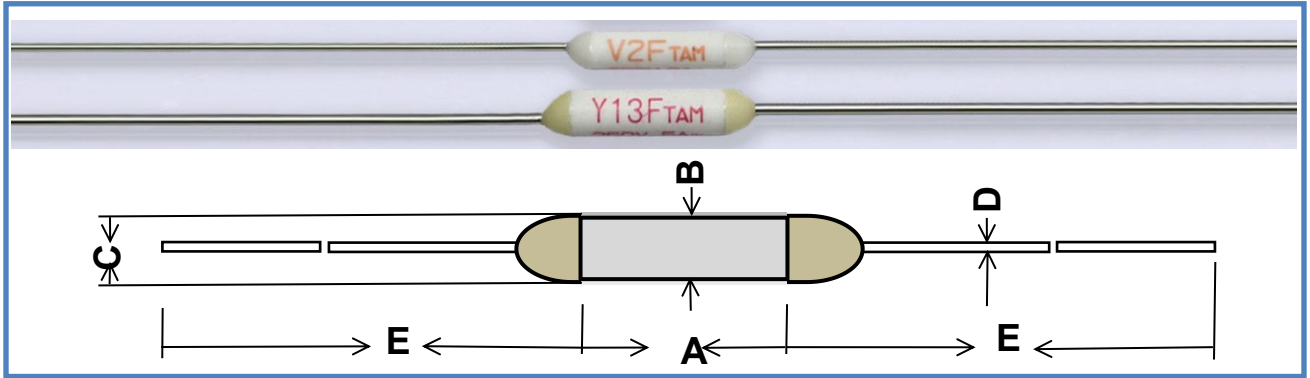
Terms Explanation

Rated function temperature(Tf):	The temperature at which an electrical or mechanical device operates. According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10°C. (DENAN Law regulates the tolerance range ±7°C)
Measured function temperature:	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1°C per minute in a silicon oil bath.
Holding temperature(Th):	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm):	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir):	The maximum current the fuse can bear.
Rated voltage(Ur):	The maximum working voltage of the fuse.

径向引线系列
 Radial lead type


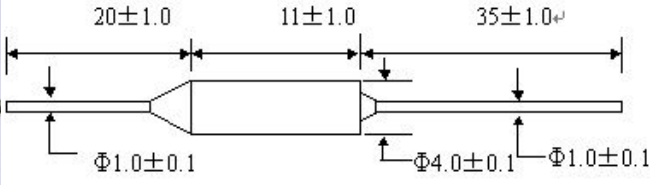
型号:	a	b	c	d	e	尺寸单位
N-F	5.2±0.1	4.1±0.1	2.0±0.1	0.53±0.5	36±3.0 (NF) 68±3.0 (NF-L)	MM
H-F	6.7±0.1	5.9±0.1	2.5±0.1	0.55±0.05	36±3.0 (HF) 68±3.0 (HF-L)	
E-F	6.6±0.1	8.5±0.1	2.5±0.1	0.7±0.05	36±3.0 (EF) 68±3.0 (EF-L)	

额定温度 TF	实际动作温度 Fuse temperature	N-F		电压 V	电流 A	H-F		电压 V	电流 A	E-F		电压 V	电流 A
65°C	61±3°C	N06F	AC	250V	1A	H06F	AC	250V	2.5A	E06F	AC	250V	3A
76°C	72±3°C	N0F	AC	250V	1A	H0F	AC	250V	2.5A	E0F	AC	250V	3A
			DC	125	1.5A			125V	3A			125V	4A
86°C	81±2°C	N1F	AC	250V	1A	H1F	AC	250V	2.5A	E1F	AC	250V	3A
			DC	125	2.0A			125V	3A			125V	4A
102°C	98±3°C	N2F	AC	250V	1A	H2F	AC	250V	3A	E2F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
115°C	111±2°C	N3F	AC	250V	1A	H3F	AC	250V	3A	E3F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
127°C	123±2°C	N4F	AC	250V	1A	H4F	AC	250V	3A	E4F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
133°C	129±3°C	N13F	AC	250V	1A	H13F	AC	250V	3A	E13F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
136°C	131±2°C	N5F	AC	250V	1A	H5F	AC	250V	3A	E5F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
139°C	134±2°C	N6F	AC	250V	1A	H6F	AC	250V	2.5A	E6F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A
145°C	140±2°C	K7F	AC	250V	1A	H7F	AC	250V	2A	E7F	AC	250V	3A
			DC	125	2.5A			125	3.5A			125	5.5A



型号:	A	B	C	D	E	尺寸单位
K-F	6.0±0.3	1.5±0.1	1.8 and under	0.53±0.05	68±3.0 (KF) 38±3.0 (KF-C)	MM
T-F	6.3±0.3	2.0±0.1	2.3 and under	0.53±0.05	68±3.0 (TF) 38±3.0 (TF-C)	
V-F	8.9±0.3	2.5±0.1	3.0 and under	0.58±0.05	68±3.0 (VF) 38±3.0 (VF-C)	
Y-F	10.0±0.3	3.0±0.2	3.3 and under	0.70±0.05	68±3.0 (YF) 38±3.0 (YF-C)	
L-F	11.5±0.7	3.3±0.2	3.6 and under	1.0±0.05	68±3.0 (LF) 38±3.0 (LF-C)	

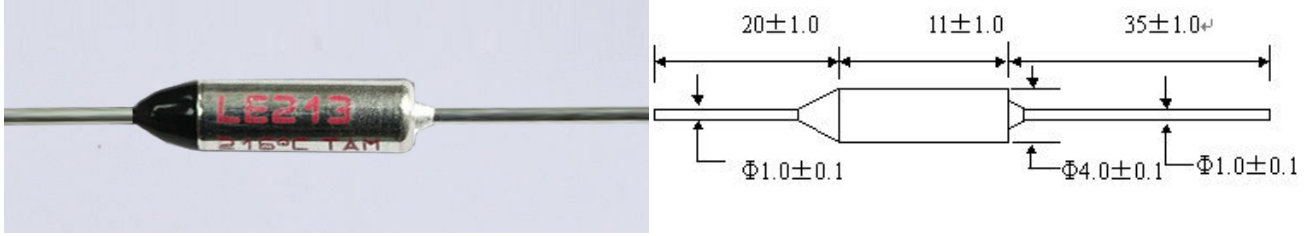
额定温度 TF	实际动作温度 Fuse temperature	K-F		电压 V		电流 A		T-F		电压 V		电流 A		V-F		电压 V		电流 A		Y-F		电压 V		电流 A		L-F		电压 V		电流 A			
		AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC				
65°C	61±3°C	K06F	AC	250	1.0	T06F	A	250	1.0	V06F	A	250	3.0	Y06F	AC	250	4.0	L06F	AC	250	4.0												
76°C	72±3°C	K0F	AC	250	1.0	T0F	A	250	1.0	V0F	A	250	2.0	Y0F	AC	250	4.0																
			DC	50	2.0		C	125	2.0		C	125	3.5		DC	50	6.0																
86°C	81±2°C	K1F	AC	250	1.0	T1F	A	250	1.0	V1F	A	250	2.0	Y1F	AC	250	5.0																
			DC	50	2.0		C	125	2.0		C	125	3.5		DC	50	6.5																
102°C	98±3°C	K2F	AC	250	1.0	T2F	A	250	2.0	V2F	A	250	3.0	Y2F	AC	250	5.0	L2F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	125	7.0												
115°C	111±2°C	K3F	AC	250	1.0	T3F	A	250	2.0	V3F	A	250	3.0	Y3F	AC	250	5.0	L3F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	50	8.0	DC	50	8.0									
127°C	123±2°C	K4F	AC	250	1.0	T4F	A	250	2.0	V4F	A	250	3.0	Y4F	AC	250	5.0	L4F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	50	7.0	DC	125	7.0									
133°C	129±3°C	K13F	AC	250	1.0	T13F	A	250	2.0	V13F	A	250	3.0	Y13F	AC	250	5.0	L13F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	50	7.0	DC	125	7.0									
136°C	131±2°C	K5F	AC	250	1.0	T5F	A	250	2.0	V5F	A	250	3.0	Y5F	AC	250	5.0	L5F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	50	7.0	DC	125	7.0									
139°C	134±2°C	K6F	AC	250	1.0	T6F	A	250	2.0	V6F	A	250	3.0	Y6F	AC	250	5.0	L6F	AC	250	5.0												
			DC	50	3.0		C	125	3.0		C	125	4.0		DC	50	6.0		DC	50	8.5	DC	50	8.5									
145°C	140±2°C	K7F	AC	250	1.0	T7F	A	250	1.0	V7F	A	250	3.0	Y7F	AC	250	5.0	L7F	AC	250	5.0												
			DC	50	3.0		C	125	2.5		C	125	4.5		DC	50	6.0		DC	50	10.0	DC	50	10.0									



型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification						
							UL	VDE	BEA B	PSE	CCC	KTL	ROH S
LE070	73℃	71±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE073	77℃	74±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE080	84℃	80±2℃	50℃	150℃	15A	250V	●	●	●	●	●	●	●
LE0090	94℃	91±3℃	65℃	150℃	15A	250V	●	●	●	●	●	●	●
LE095	99℃	95±2℃	71℃	150℃	15A	250V	●	●	●	●	●	●	●
LE108	113℃	109±2℃	85℃	150℃	15A	250V	●	●	●	●	●	●	●
LE117	121℃	117±3℃	95℃	160℃	15A	250V	●	●	●	●	●	●	●
LE124	128℃	124±3℃	102℃	160℃	15A	250V	●	●	●	●	●	●	●
LE128	133℃	129+3-2℃	105℃	160℃	15A	250V	●	●	●	●	●	●	●
LE138	157℃	138±2℃	110℃	172℃	15A	250V	●	●	●	●	●	●	●
LE152	172℃	152+3-1℃	130℃	189℃	15A	250V	●	●	●	●	●	●	●
LE169	184℃	167+1-3℃	145℃	210℃	15A	250V	●	●	●	●	●	●	●
LE189	192℃	189±3℃	165℃	250℃	15A	250V	●	●	●	●	●	●	●
LE213	216℃	213±2℃	190℃	380℃	15A	250V	●	●	●	●	●	●	●

Terms Explanation

Rated function temperature(Tf):	The temperature at which an electrical or mechanical device operates. According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃. (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature:	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th):	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm):	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir):	The maximum current the fuse can bear.
Rated voltage(Ur):	The maximum working voltage of the fuse.

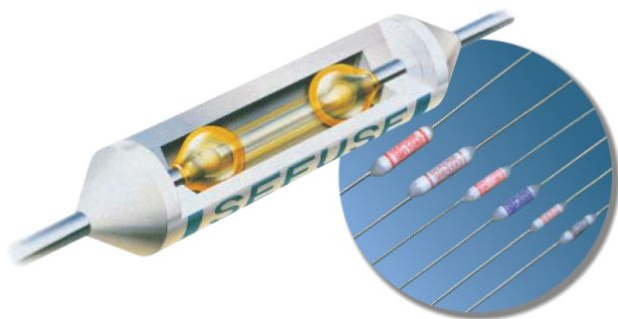


型号 Model No.1	额定温度 TF	实际动作温度 Fuse temperature	保持温度 TH	极限温度 TM	额定电流 Tr	额定电压 Ur	安规认证 Certification						
							UL	VDE	BEA B	PSE	CCC	KTL	ROH S
LE070T	73℃	71±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE073T	77℃	74±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE080T	84℃	80±2℃	50℃	150℃	10A	250V	●	●	●	●	●	●	●
LE0090T	94℃	91±3℃	65℃	150℃	10A	250V	●	●	●	●	●	●	●
LE095T	99℃	95±2℃	71℃	150℃	10A	250V	●	●	●	●	●	●	●
LE108T	113℃	109±2℃	85℃	150℃	10A	250V	●	●	●	●	●	●	●
LE117T	121℃	117±3℃	95℃	160℃	10A	250V	●	●	●	●	●	●	●
LE124T	128℃	124±3℃	102℃	160℃	10A	250V	●	●	●	●	●	●	●
LE128T	133℃	129+3-2℃	105℃	160℃	10A	250V	●	●	●	●	●	●	●
LE138T	157℃	138±2℃	110℃	172℃	10A	250V	●	●	●	●	●	●	●
LE152T	172℃	152+3-1℃	130℃	189℃	10A	250V	●	●	●	●	●	●	●
LE169T	184℃	167+1-3℃	145℃	210℃	10A	250V	●	●	●	●	●	●	●
LE189T	192℃	189±3℃	165℃	250℃	10A	250V	●	●	●	●	●	●	●
LE213T	216℃	213±2℃	190℃	380℃	10A	250V	●	●	●	●	●	●	●

Terms Explanation

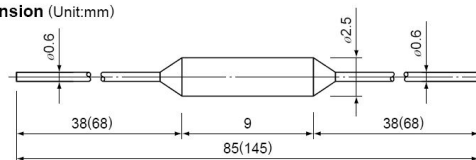
Rated function temperature(Tf):	The temperature at which an electrical or mechanical device operates. According to IEC6091 safety stipulation, thermal fuse must operate at TF +0/-10℃. (DENAN Law regulates the tolerance range ±7℃)
Measured function temperature:	The blowing temperature of the fuse measured in the condition that current is below 10mA and its temperature rises at the rate of 0.5-1℃ per minute in a silicon oil bath.
Holding temperature(Th):	The maximum temperature at which its conduction state would not change when the fuse is loaded with rated current for 168 hours.
Maximum temperature(Tm):	The maximum temperature at which the fuse would not reconnect within 10 minutes.
Rated current(Ir):	The maximum current the fuse can bear.
Rated voltage(Ur):	The maximum working voltage of the fuse.

SM系列 SM 2A 250V Series

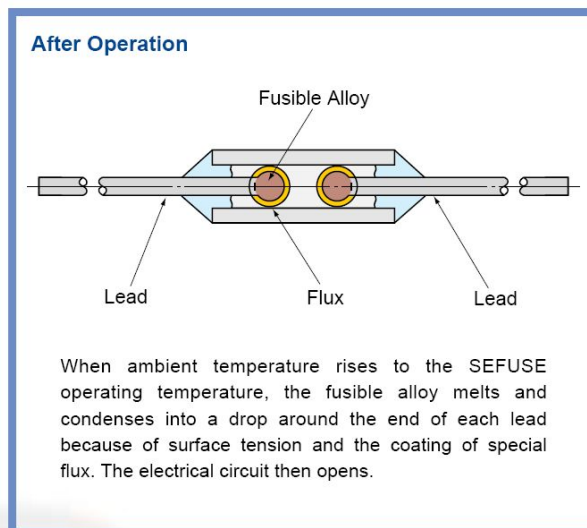
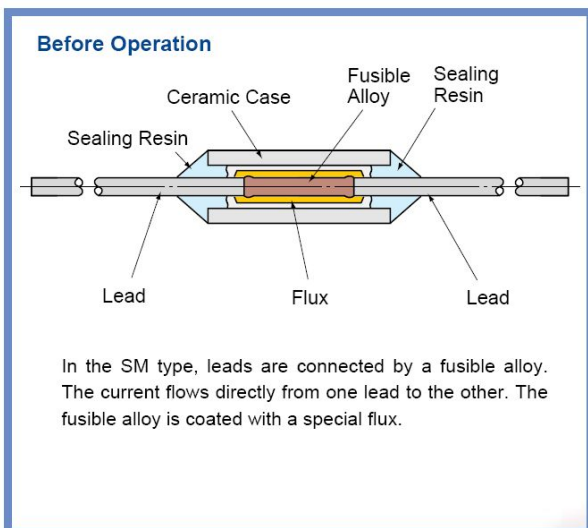


SM/A Series

■ Dimension (Unit:mm)



The SM type uses a fusible alloy inside a ceramic case. It has a cutoff(rated) current of 2 A. Because of its insulated case, the SM type can be attached directly where temperature detection is required.



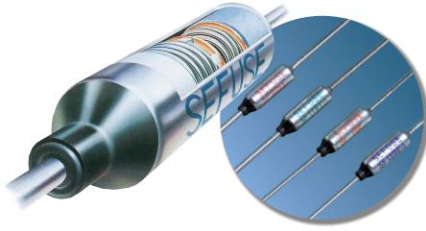
■ Ratings

1) Part Number	Rated Functioning Temperature $T_f \cdot T_f$ (°C)	Operating Temperature (°C)	T_H T_{Th} (°C)	T_M T_{Tm} (°C)	Rated Current	Rated Voltage	U L	CSA	VDE	BEAB	CCIB	CCEE		
SM072A0	76	$72 \pm \frac{3}{2}$	46	100	2 A (Resistive)	AC250V	E71747	172780 (LR52330)	File No. 6778.2 -1171 -0001	C1054	2001 LV2618	CH 0045038 -2000	33-528	
SM095A0	100	$95 \pm \frac{5}{8}$	65	115									33-466	
SM110A0	115	110 ± 2	80	125									33-472	
SM126A0	131	126 ± 2	96	140									33-467	
SM130A0	135	130 ± 2	100	145										
SM134A0	139	134 ± 2	—	—									33-468	
SM145A0	150	145 ± 2	115	160										
SM164A0	169	$164 \pm \frac{3}{2}$	133	180										33-470
SM182A0	187	182 ± 2	152	195										33-556

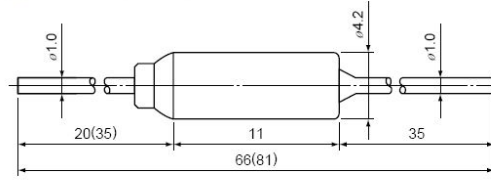
Note: 1) Part numbers are for standard devices. For long leads, change the last number from 0 to 1.

2) SM072A has C-UL recognition.

3) The number in parentheses are previous number. Both number can be inquired.



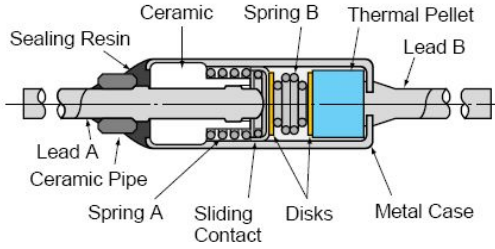
Dimension (Unit:mm)



The SF type uses an organic thermosensitive pellet inside a metal case. It features large cutoff(rated) current of 10 A or 15 A.

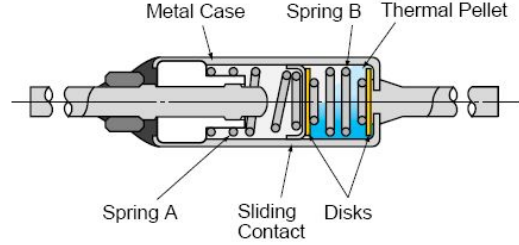
Note: The dimensions for long lead devices are in parentheses.

Before Operation



The SF type contains a sliding contact, springs, and a thermal pellet inside a metal case. When spring B is compressed, firm contact between lead A and the sliding contact occurs. At normal temperatures, current flows from lead A to the sliding contact and then through the metal case to lead B.

After Operation



When the ambient temperature rises to the SEFUSE operating temperature, the heat transferred through the metal case melts the thermal pellet. When the thermal pellet melts, springs A and B expand, moving the sliding contact away from lead A. The electrical circuit is opened by breaking contact between the sliding contact and lead A.

Ratings

Part Number	1) Rated Functioning Temperature T _F •T _f (°C)	Operating Temperature (°C)	T _H Th (°C)	T _M T _m (°C)	Rated Current	Rated Voltage	U	L	CSA	VDE	BEAB	CCIB	CCEE	△	
														Made in Japan	Made in Thailand
SF 70E	73	70 ± 2	45	150	15A / 10A (Resistive)	AC250V	E71747		6) 172780 (LR52330)	File No. 6778.2 -1171 -0002	C1060	Made in Japan 2001 LV2618	Made in Japan CH 0045037-2000	33-312	33-835
SF 76E	77	76 ± 2	51	150										33-331	33-834
SF 91E	94	91 ± 2	66	150										33-332	33-833
SF 96E	99	96 ± 2	71	150										33-333	33-832
SF109E	113	109 ± 2	84	150										33-334	33-831
SF119E	121	119 ± 2	94	150										33-335	33-830
SF129E	133	129 ± 2	104	159										33-336	33-886
SF139E	142	139 ± 2	114	159										33-549	33-827
SF152E	157	152 ± 2	127	172										33-354	33-828
SF169E	172	169 ± 2	144	189											
SF188E	192	188 ± 2	164	300											
SF214E	216	214 ± 2	200 ²⁾	350											
SF226E	227	226 ± 2	200 ²⁾	300 ³⁾											
SF240E	240	237 ± 2	200 ²⁾	350											

Note: 1) Part numbers are for standard lead devices. For long leads, add the number "-1" at the end of part number.

2) T_H approved by BEAB is 189 °C for SF214E and 190 °C for SF226E and SF240E.

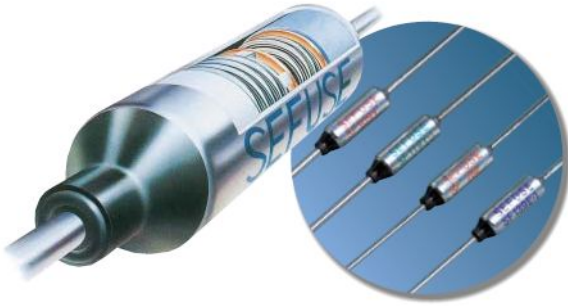
3) T_M approved by UL is 240 °C. T_m approved by CSA is 330 °C.

4) The electrical ratings by safety standards are as follows.

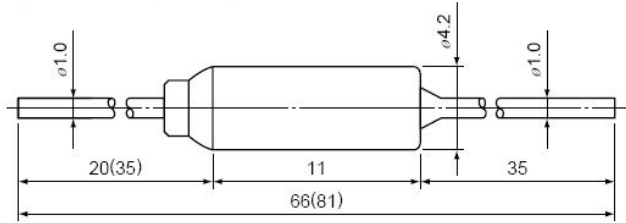
Rated Voltage	Japan	UL	CSA	VDE	BEAB	CCIB	CCEE
AC120V		15A (Inductive) 20A (Resistive)					
AC240V		15A (Resistive)					
AC250V	10A	10A (Resistive) 15A (Resistive) 17A (Resistive)	15A (Inductive) (Resistive)	10A	10A	10A	10A
AC277V		15A (Resistive)					

5) SF169E, SF188E, SF214E, SF226E and SF240E has a recognition of CH rating by UL.

6) The number in parentheses are previous number. Both number can be inquired.



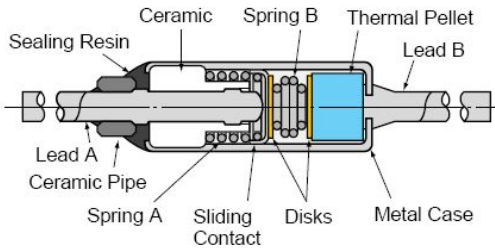
■ Dimension (Unit:mm)



Note: The dimensions for long lead devices are in parentheses.

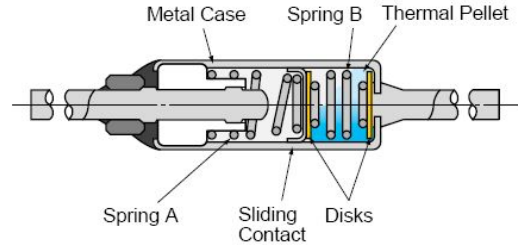
The SF type uses an organic thermosensitive pellet inside a metal case. It features a large cutoff (rated) current of 15 A 250VAC

Before Operation



The SF type contains a sliding contact, springs, and a thermal pellet inside a metal case. When spring B is compressed, firm contact between lead A and the sliding contact occurs. At normal temperatures, current flows from lead A to the sliding contact and then through the metal case to lead B.

After Operation



When the ambient temperature rises to the SEFUSE operating temperature, the heat transferred through the metal case melts the thermal pellet. When the thermal pellet melts, springs A and B expand, moving the sliding contact away from lead A. The electrical circuit is opened by breaking contact between the sliding contact and lead A.

■ Ratings

Part Number ¹⁾	Rated Functioning Temperature	Operating Temperature	Rated Current	Rated Voltage	△	U L
SF 70Y	73°C	70 ± 2 °C	15A	AC250V	33-312	E71747
SF 76Y	77°C	76 ± 1 °C				
SF 91Y	94°C	91 ± 1 °C				
SF 96Y	99°C	96 ± 2 °C				
SF109Y	113°C	109 ± 1 °C				
SF119Y	121°C	119 ± 2 °C				
SF129Y	133°C	129 ± 2 °C				
SF139Y	142°C	139 ± 2 °C				
SF152Y	157°C	152 ± 2 °C				
SF169Y	172°C	169 ± 1 °C				
SF188Y	192°C	188 ± 1 °C				
SF214Y	216°C	214 ± 1 °C				
SF226Y	227°C	226 ± 1 °C				
SF240Y	240°C	237 ± 2 °C				

Note: 1) Part numbers are for standard lead devices. For long leads, add the number "-1" at the end of part number.

- All the parts and materials don't contain lead (Pb).
- Cadmium free contact types are available. Please contact us.