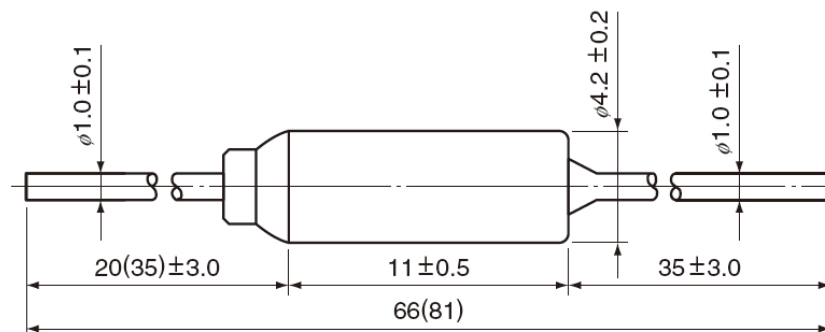


SEFUSE SF/E Series Thermal Fuses

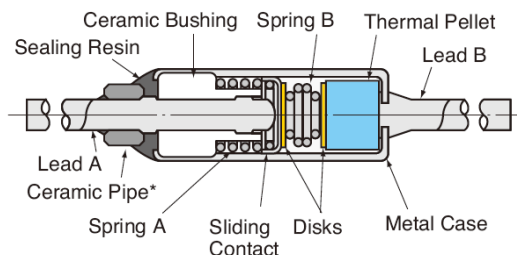
Our SF/E thermal fuse uses an organic thermosensitive pellet inside a metal case. It features a large cutoff (rated) current of up to 15A/250VAC.

■ Dimensions (Unit:mm)



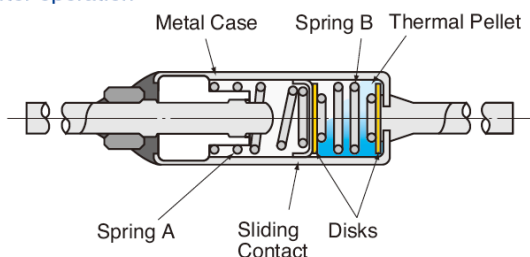
■ **Note** The dimensions for long lead devices are in parenthesis

Before operation



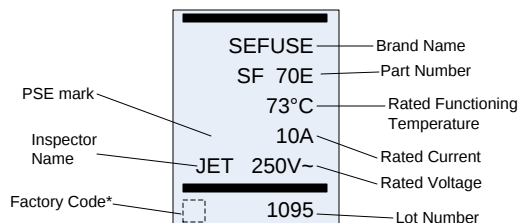
The SF type contains a sliding contact, springs, and a thermal pellet inside a metal case. When spring B is compressed, firm contact between lead A and the sliding contact occurs. At normal temperatures, current flows from lead A to the sliding contact and then through the metal case to lead B.

After operation

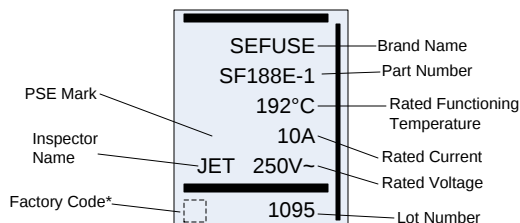


When the ambient temperature rises to the SEFUSE operating temperature, the heat transferred through the metal case melts the thermal pellet. When the thermal pellet melts, spring A and B expand, moving the sliding contact away from lead A. The electrical circuit is opened by breaking contact between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

■ Marking 1 (SF70E~SF129E)



■ Marking 2 (SF139E~SF240E)



* Factory Code represents the factory location – Japan:None, Thailand:C

How to read a lot number
ex.) 10 9 5
Sub-lot number
Month
X...October
Y...November
Z...December
Last two digit of year

■ Ratings

1) WEEE (RoHS)	2) Part Number	Rated Functioning Temperature Tf (°C)	Operating Temperature (°C)	Holding Temp Th (°C)	Max Temp Limit Tm (°C)	Rated Current	Rated Voltage	UL		CSA		VDE		BEAB		5) CCC		KTL		6) PSE			
								JPN	Thai	JPN	Thai	JPN	Thai	JPN	Thai	JPN (Su05019) (-xxxxx)	Thai (Su05020) (-xxxxx)	JPN (JET1975- 32001-XXXX)		Thai (JET1974- 32001-XXXX)			
																		Rating 15A	Rating 10A	Rating 15A	Rating 10A		
O	SF 70E	73	70 ± 2	58	150	4) 15A / 10A (Resistive)	AC250V	E71747	172780 (LR52330)	677802 -1171 -0002	C1137	※1	※2	5005	5004	2001	1008	2001	1003				
O	SF 76E	77	76 ± 0 4	62												2002	1010	2002	1002				
O	SF 91E	94	91 ± 3 1	79												2003	1011	2003	1001				
O	SF 96E	99	96 ± 2	84												2004	1012	2004	1004				
O	SF113E	113	110 ± 2	98	160									5006	5005	2003	1011	2003	1001				
O	SF119E	121	119 ± 2	106	150									5007	5006	2005	1013	2005	1005				
O	SF129E	133	129 ± 2	118	5008											5007	2006	1014	2006	1006			
O	SF139E	142	139 ± 2	127													2007	1015	2007	1007			
O	SF152E	157	152 ± 2	142	172									5009	5008	2008	1016	2008	1008				
O	SF169E	172	169 ± 1 3	157	189											2009	1017	2009	1009				
O	SF184E	184	182 ± 2	174	210																		
O	SF188E	192	188 ± 3 1	177	375																		
O	SF214E	216	214 ± 1 3	200												3)							
O	SF226E	227	226 ± 1 3		375																		
O	SF240E	240	237 ± 2																				

Note 1) No use of hazardous substances prescribed by WEEE and RoHS.

2) Part number indicates thermal cutoffs with standard lead lengths. For long lead lengths, add the suffix "-1" at the end.

3) The maximum temperature limit Tm of SF226E is shown in the following table:

1: 2002010205023072 (10A)
2004010205121099 (15A)
2: 2002010205023074 (10A)
2004010205120822 (15A)

Tm	UL	CSA	VDE	BEAB	CCC	KTL
SF226E	240°C	330°C	300°C			

4) The electrical ratings according to the various safety standards are shown in the following table.

Rated Voltage	UL	CSA	VDE	BEAB	CCC	KTL	PSE 6)
AC120V	15A (Inductive) (Resistive) 20A (Resistive)						
AC240V	15A (Resistive)						
AC250V	10A (Resistive)	15A (Inductive) (Resistive)	10A	10A	10A	10A	10A
	15A (Resistive)		15A	15A	15A	15A	15A
	17A (Resistive)						
AC277V	15A (Resistive)						

5) SF/E is available for rating 10A and 15A marking for CCC standard. Please select suitable rating product according to the specification of end application.

6) SF/E is available for rating 10A and 15A marking for PSE standard. Rating 10A marking is applied for Article 1, and rating 15A marking is applied for Article 2 of the technical requirement of the METI ordinance J60691. please select suitable rating product according to the specification of end-application