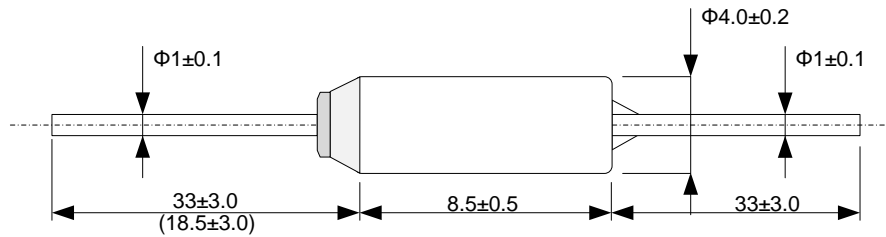




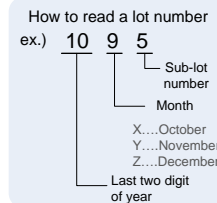
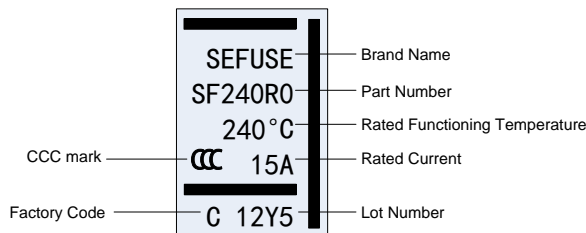
# SEFUSE SF/R Series Thermal Fuses

Our new smaller SF/R 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)



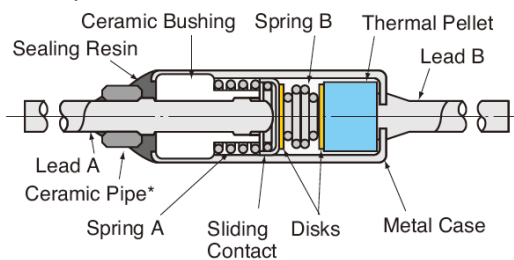
## ■ Marking



## ■ Features

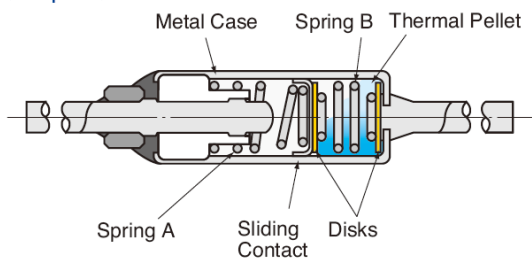
- Higher Tm rating & quicker responsiveness
- ROHS and REACH compliant products
- 15A marking

### 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.

## ■ Ratings

Part Number	Rated Functioning Temperature Tf (°C)	Operating Temp (°C)	Holding Temp Th (°C)	Max Temp Limit Tm (°C)	Electrical Ratings	Safety standards			
						UL / cUL	VDE	CCC	PSE
								Thailand made	Thailand Made (JET1974-32001-****)
SF70R1	73	70+/-2	58	165	15A/ 250V AC	E71747	677802 -1171 -0015	20130102 05600209	2001
SF76R1	77	76+0/-4	62						2002
SF81R1	84	81+3/-1	69						2003
SF90R1	94	90+/-2	79						2004
SF94R1	99	94+/-2	84						2005
SF113R1	113	108+/-2	98						2006
SF119R1	121	119+/-2	106						2007
SF129R1	133	129+/-2	118						2008
SF139R1	142	139+/-2	127						2009
SF144R1	144	142+/-2	129						
SF150R1	152	150+1/-3	137						
SF167R1	167	164+/-2	153						
SF184R1	184	182+/-2	174						
SF188R1	192	188+3/-1	177						
SF214R1	216	214+1/-3	200						
SF229R1	229	227+/-2							
SF240R1	240	237+/-2							

\*1 Part number indicates thermal fuse with equal 33mm leads. For one short lead, the part number is changed to SF\*\*R0.

\*2 Holding temperature is the maximum temperature at which, when applying a rated current to the thermal fuse, the state of conductivity is not changed during specified time not less than 168 hours (1week). The Th rating is only specified by UL.

\*3 Maximum temperature limit is the temperature up to which thermal fuses will stay open after tripping and not reconduct.

\*4 The electrical rating according to the various safety standards are shown in the following table.

Rated Voltage	UL/cUL	VDE	CCC	PSE *
AC120V	20A (Resistive)			
AC250V	15A (Resistive) 16A (Resistive)	15A	15A	10A 15A

\* SF/R is available with 10A and 15A marking for PSE. The 10A marking is applied for Article 1, and 15A marking is applied for Article 2 of the technical requirement of the METI ordinance J60691.