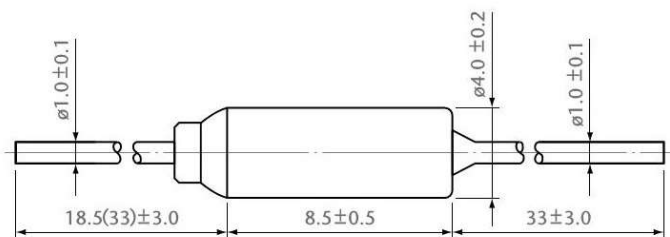


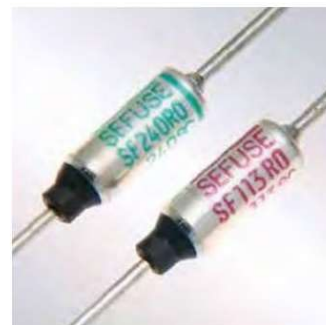
Standard Ratings

SF/R series

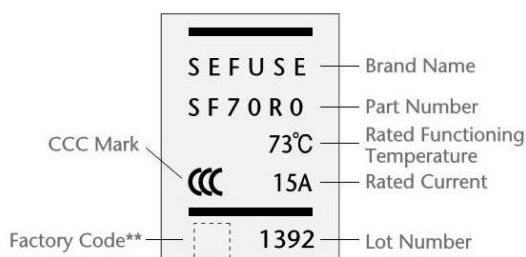
Dimension (Unit: mm)



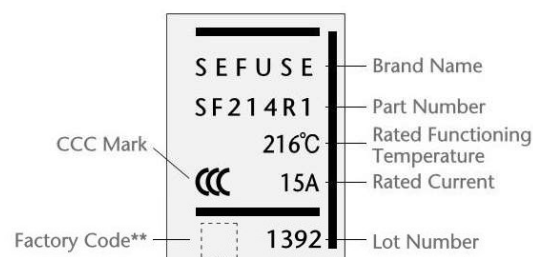
Note: The dimensions for long lead devices are in parentheses.



Marking 1 (SF70R*–SF129R*)

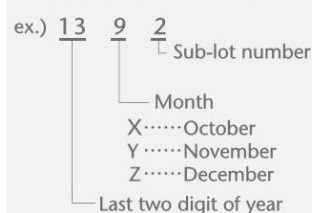


Marking 2 (SF139R*–SF240R*)



** Factory Code represents the factory location as shown below
Thailand : C

How to read a lot number



The indicated pictures, drawings and dates are exemplary. Depending on the configuration it may differ. Thermofuses are safety components! For the use in a specific application technical guidelines, requirements or approvals must be considered and the thermofuse must be tested in real environmental conditions. Please also consider the electrical power in relation with the voltage supply of your application. The approvals also differ depending on the various nominal voltage. We will be glad to help you, please ask.

Ratings

1) 2) Part Number * : 0/1 0: standard 1: long	Rated Functioning Temperature Tf (°C)	Operating Temperature (°C)	3)		Rated Current	Rated Voltage	UL/cUL	VDE	CCC	KTL	PSE 6)	
			Th (°C)	Tm (°C)			Thailand	Thailand	Thailand	Thailand (SU05020-****)	Thailand (JET1974-32001-****)	Rating15A
SF70R*	73	70±2	58	165	4) 7) 15A/10A (Resistive)	4) AC250V	E71747	677802 -1171 -0015	20130102 05600209	5004	2001	1003
SF76R*	77	76+0/-4	62								2002	1002
SF81R*	84	81+3/-1	69								2003	1001
SF90R*	94	90±2	79								2004	1004
SF94R*	99	94±2	84								2005	1005
SF113R*	113	108±2	98								2006	1006
SF119R*	121	119±2	106								2007	1007
SF129R*	133	129±2	118								2008	1008
SF139R*	142	139±2	127								2009	1009
SF144R*	144	142±2	129								250	5007
SF150R*	152	150+1/-3	137	2009	1009							
SF167R*	167	164±2	153	375	5008	2001	1001					
SF184R*	184	182±2	174			2002	1002					
SF188R*	192	188+3/-1	177	380	5008	2003	1003					
SF214R*	216	214+1/-3	200			2004	1004					
SF229R*	229	227±2	200	380	5008	2005	1005					
SF240R*	240	237±2				2006	1006					

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

All products do not use SVHC prescribed by REACH (191 substances, 27th June, 2018).

2) For standard lead length type, add the suffix "0" at the end of the part number.

For long lead length type, add the suffix "1" at the end of the part number.

3) Th is the maximum temperature measured on the thermal link when it continues to conduct a rated current without changing its state of conductivity for 168 hours.

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

Rated Voltage	UL/cUL	VDE	CCC	KTL	PSE 6)
AC120V	20A (Resistive)	—	—	—	—
	10A (Resistive)	10A	10A	10A	10A
AC250V	15A (Resistive)	15A	15A	15A	15A
	16A (Resistive)	—	—	—	—

5) The following SF-types have passed the Conductive Heat Aging Test (CHAT) specified by the UL safety standard: SF184R*, SF188*, SF214*, SF229R*, and SF240R*.

6) With respect to the PSE standard, SF/R is separately available for 10A and 15A ratings. Please select the appropriate product rating according to the specifications of the final application.

7) In case of requests for 10A rated current thermal links, please add "J1" after the part number (name). i.e. SF***R0 J1

Protherm Wärmeschutz GmbH
Turnstraße 28
D-75328 Schömburg

Telefon: +49 (0) 7235 980 200
Telefax: +49 (0) 7235 980 201
E-Mail: kontakt@protherm-gmbh.de
Internet: www.protherm-gmbh.de