

## **SEMIFUSE® SFRV Mains Rated PTC Fuses**

Our new SFRV series PTC fuses provide re-settable short-circuit protection in mains voltage applications e.g. transformers, electric motors, lighting etc. Current ratings from 0.05 ~ 2.0A.

### **Characteristics**

**Agency Approvals; UL, C-UL, TuV**

Part #	I <sub>h</sub> (A)	I <sub>t</sub> (A)	V <sub>max</sub> (Vac)	I <sub>max</sub> (A)	P <sub>d</sub> <sup>max</sup> (W)	Maximum Time to Trip @ 23°C		Resistance @ 23°C		Dimensions (mm)		
						Current (A)	Time (Sec.)	R <sub>min</sub> (Ω)	R <sub>1m</sub> (Ω)	A (Max)	B (Max)	C (Typ)
SFRV005F	0.05	0.12	240	1.0	0.7	0.25	15.0	18.50	65.00	8.3	10.7	5.1
SFRV008F	0.08	0.19	240	1.2	0.8	0.40	15.0	7.40	26.00	8.3	10.7	5.1
SFRV012F	0.12	0.30	240	1.2	1.0	0.60	15.0	3.00	12.00	8.3	10.7	5.1
SFRV016F	0.16	0.37	240	2.0	1.4	0.80	15.0	2.50	7.80	9.9	12.5	5.1
SFRV025F	0.25	0.56	240	3.5	1.5	1.25	18.5	1.30	3.80	9.6	17.4	5.1
SFRV033F	0.33	0.74	240	4.5	1.7	1.65	18.5	0.83	2.60	11.4	16.5	5.1
SFRV040F	0.40	0.90	240	5.5	2.0	2.00	24.0	0.60	1.90	11.5	19.5	5.1
SFRV055F	0.55	1.25	240	7.0	3.4	2.75	26.0	0.45	1.45	14.0	21.7	5.1
SFRV075F	0.75	1.50	240	7.5	2.6	3.75	18.0	0.32	0.84	11.5	23.4	5.1
SFRV100F	1.00	2.00	240	10.0	2.9	5.00	21.0	0.22	0.58	18.7	24.4	10.2
SFRV125F	1.25	2.50	240	12.5	3.3	6.25	23.0	0.17	0.44	21.2	27.4	10.2
SFRV200F	2.00	4.00	240	20.0	4.5	10.00	28.0	0.09	0.22	24.9	33.8	10.2

### **Definitions**

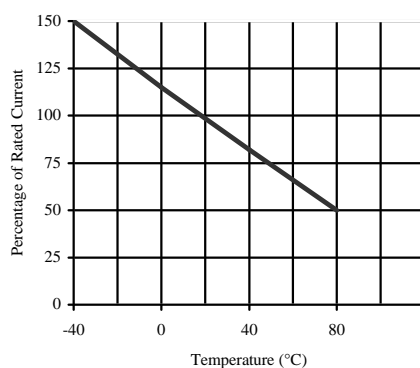
I<sub>h</sub> = Hold Current, maximum current the fuse will pass without tripping in 23°C still air.

I<sub>t</sub> = Trip Current, minimum current at which the fuse will trip in 23°C still air.

V<sub>max</sub> = Maximum voltage fuse can withstand without damage at rated current (I<sub>max</sub>)

I<sub>max</sub> = Maximum fault current fuse can withstand without damage at rated voltage (V<sub>max</sub>)

### **Thermal de-rating curve**



### **Configuration**

