

FEATURES

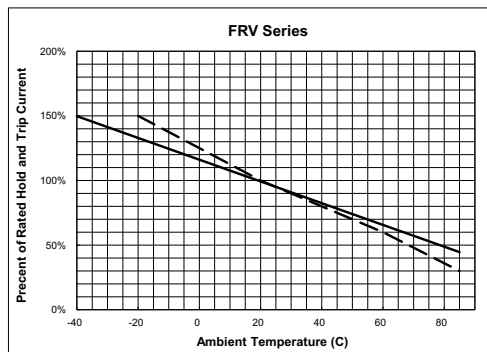
- Applications : Line Voltage Power Supply, Transformer and Appliance
- Product Features : Low hold current, Solid State, Ideal for up to 240V ac/dc
- Operation Current : 0.05A ~ 2.00A
- Maximum Operating Voltage : 240V ac/dc
- Maximum Interrupt Voltage : 265V ac/dc
- Temperature Range : FRV005 ~ FRV055 ... -40°C to 85°C
FRV075 ~ FRV200 ... -20°C to 85°C

AGENCY RECOGNITION

Made for RFE by UL shop Fuzetec

- UL (E211981)
- C-UL (E211981)
- TÜV (R50087018)

THERMAL DERATING CURVE



A = FRV005-240F ~
FRV055-240F

B = FRV075-240F ~
FRV200-240F

ELECTRICAL CHARACTERISTICS (23°C)

Part Number	Hold Current I _H , A	Trip Current I _T , A	Max. Time to Trip at 5 x I _H , S	Maximum Current I _{MAX} , A	Max. Oper. Voltage V _{MAX} , Vac/dc	Max. Int. Voltage V _{I-MAX} , Vac/dc	Typical Power Pd, W	Resistance	
								R min Ohms	R1 max Ohms
FRV005-240F	0.05	0.12	15.0	1.0	240	265	0.7	18.50	65.00
FRV008-240F	0.08	0.19	15.0	1.2	240	265	0.8	7.40	26.00
FRV012-240F	0.12	0.30	15.0	1.2	240	265	1.0	3.00	12.00
FRV016-240F	0.16	0.37	15.0	2.0	240	265	1.4	2.50	7.80
FRV025-240F	0.25	0.56	18.5	3.5	240	265	1.5	1.30	3.80
FRV033-240F	0.33	0.74	21.0	4.5	240	265	1.7	0.83	2.60
FRV040-240F	0.40	0.90	24.0	5.5	240	265	2.0	0.60	1.90
FRV055-240F	0.55	1.25	26.0	7.0	240	265	3.4	0.45	1.45
FRV075-240F	0.75	1.50	18.0	7.5	240	265	2.6	0.32	0.84
FRV100-240F	1.00	2.00	21.0	10.0	240	265	2.9	0.22	0.58
FRV125-240F	1.25	2.50	23.0	12.5	240	265	3.3	0.17	0.44
FRV150-240F	1.50	3.00	23.0	15.0	240	265	3.7	0.12	0.32
FRV200-240F	2.00	4.00	28.0	20.0	240	265	4.5	0.09	0.22

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.

I_T=Trip current-maximum current at which the device will always trip at 23°C still air.

V_{MAX}=Maximum voltage device can withstand without damage at its rated current.

I_{MAX}=Maximum fault current device can withstand without damage at rated voltage (V_{MAX}).

Pd=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R_{MIN}=Minimum device resistance at 23°C.

R1_{MAX}=Maximum device resistance at 23°C, 1 hour after tripping.

Physical specifications:

Lead material: FRV005 ~ FRV016 Tin plated copper, 24 AWG.

FRV025 ~ FRV040 Tin plated copper, 22AWG

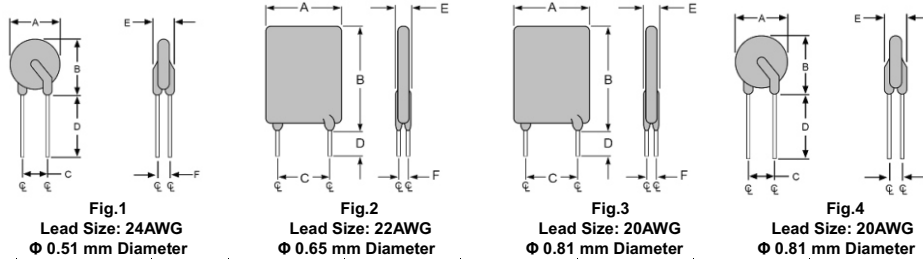
FRV055 ~ FRV200 Tin plated copper, 20AWG

Soldering characteristics: MIL-STD-202, Method 208E.

Insulating coating: Flame retardant epoxy, meet UL-94V-0 requirement.

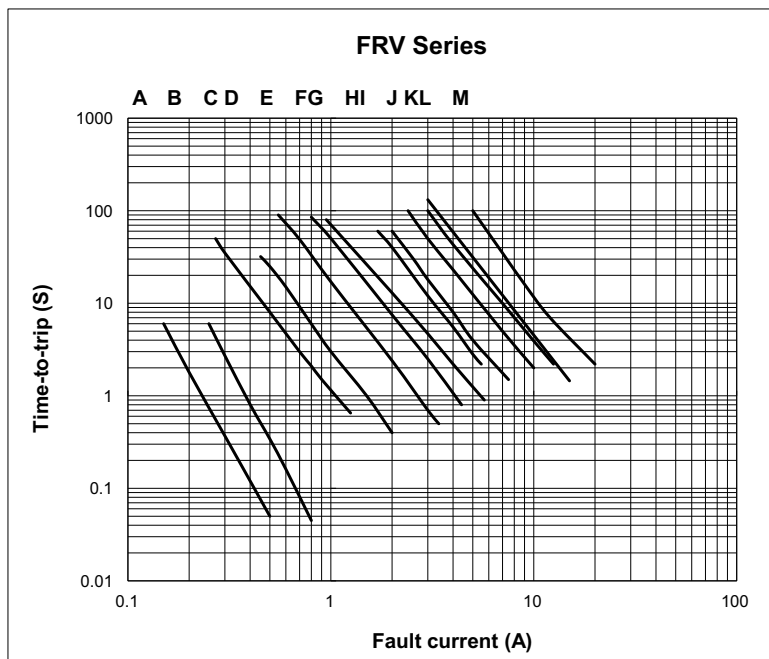
NOTE: All Specifications subject to change without notice.

■ **DIMENSIONS (mm)**



Part Number	Fig.	A	B	C	D	E	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
FRV005-240F	1	8.3	10.7	5.1	7.6	3.8	1.6
FRV008-240F	1	8.3	10.7	5.1	7.6	3.8	1.6
FRV012-240F	1	8.3	10.7	5.1	7.6	3.8	1.6
FRV016-240F	1	9.9	12.5	5.1	7.6	3.8	1.6
FRV025-240F	2	9.6	17.4	5.1	7.6	3.8	1.8
FRV033-240F	2	11.4	16.5	5.1	7.6	3.8	1.8
FRV040-240F	2	11.5	19.5	5.1	7.6	3.8	1.8
FRV055-240F	3	14.0	21.7	5.1	7.6	4.1	1.9
FRV075-240F	3	11.5	23.4	5.1	7.6	4.8	1.9
FRV100-240F	4	18.7	24.4	10.2	7.6	5.1	1.9
FRV125-240F	4	21.2	27.4	10.2	7.6	5.3	1.9
FRV150-240F	4	23.4	30.9	10.2	7.6	5.3	1.9
FRV200-240F	3	24.9	33.8	10.2	7.6	6.1	1.9

■ **TYPICAL TIME-TO-TRIP AT 23°C**



- A= FRV005-240F
- B= FRV008-240F
- C= FRV012-240F
- D= FRV016-240F
- E= FRV025-240F
- F= FRV033-240F
- G= FRV040-240F
- H= FRV055-240F
- I= FRV075-240F
- J= FRV100-240F
- K= FRV125-240F
- L=FRV150-240F
- M= FRV200-240F

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