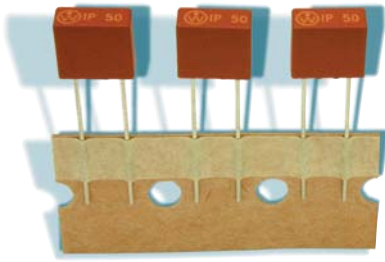
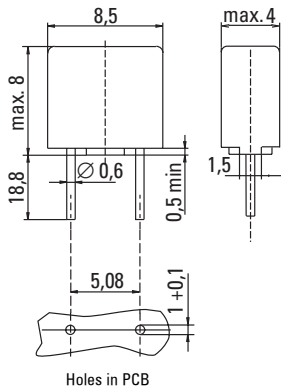


IP / No. 389



Dimensions (mm)



Protector, 65V

For Short Circuit Protection of Sensitive Electronic Components and Assemblies

Time-Current Characteristic

Time Lag (T)

Operating Criteria

Maximum continuous current:
 $I_C \geq I_{\text{operating max}} \times F_T$ time lag

Maximum fault current:
 $I_{\text{Fault}} \leq 10A$ at 250VAC

Features

- For worldwide applications
- Reduced PCB space requirements
- Highly defined cut-off times
- Irreversible physical separation
- Low internal resistance
- Flame resistant encapsulated casing

Specifications

Packaging

000: Tape/Ammopack (1400 pcs.)

Materials

Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V0
 Round Pins: Copper, tin plated

Operating Temperature

-40°C to +85°C (consider de-rating)

Climatic Category

-25°C/+70°C/21 days (EN 60068-1..3)

Stock Conditions

+10°C to +60°C
 relative humidity $\leq 75\%$ yearly average, without dew, maximum value for 30 days-95%

Vibration Resistance

24 cycles at 15 min. each (EN 60068-6)
 10 - 60Hz at 0.75mm amplitude
 60 - 2000Hz at 10g acceleration

Lead Pull Strength

10N (EN 60068-2-21)

Solderability

260°C, ≤ 3 sec. (Wave)
 350°C, ≤ 1 sec. (Hand)

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-20)

Marking

Type

Unit Weight

0.60g (approx.)

Limits for Pre-arcing Time

Rated Current	$1.4 \times I_{\text{Rat}}$	$1.66 \times I_{\text{Rat}}$	$2.5 \times I_{\text{Rat}}$
60mA		> 600 s	< 45 s



Permissible continuous operating current is $\leq 100\%$ at ambient temperature of 23°C (73.4°F).

Continous Current I_C	Type	Amp Code	Voltage Rating	Fault Current max.	Cold Resistance $0.1 \times I_C$ typ. (mΩ)	Power Dissipation $1.0 \times I_C$ max. (mW)	Melting Integral $10 \times I_C$ typ. (A²s)
60mA		0060	250 V AC	10A/250VAC/DC 50-60Hz $\cos\phi=1.0$	6080	100	0.033

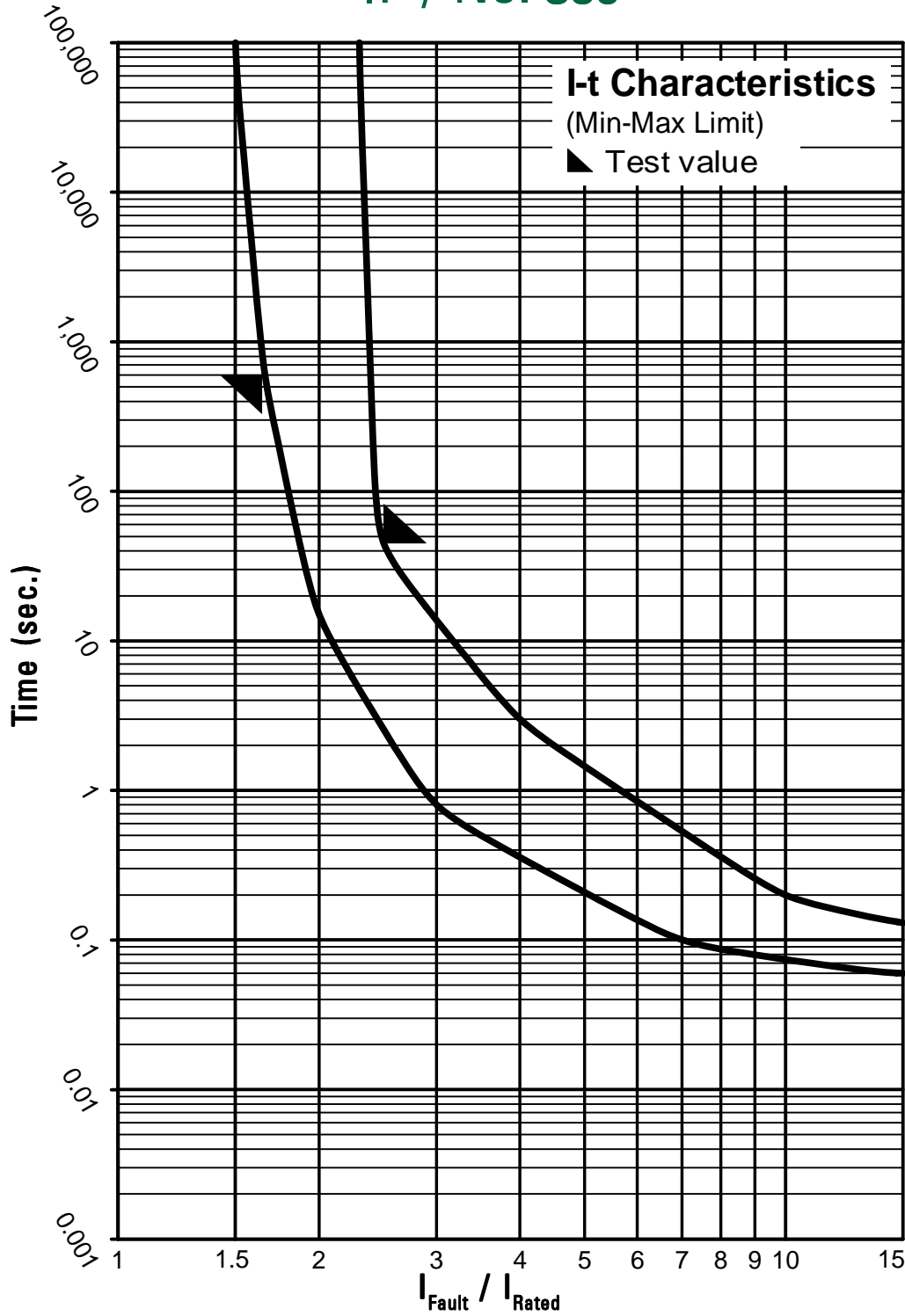
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		389		

Specifications are subject to change without notice

IP / No. 389



Contact Littelfuse for individual I-t curves