Alarm Indicating Fuse
70 Series

捷多邦，专业PCB打样工厂，24小时加急出货

The 70 Series alarm indicating fuses are designed for use in telecommunications equipment. A color-coded tip provides visual identification of the ampere rating and the fuse status.

Features

- Color coded tip
- Rated 125 VAC, 300 VDC

Specifications

Approvals:
UL Recognized

Interrupting Ratings:
1000 amperes @ 125 VAC
1000 amperes @ 300 VDC

Ordering Information

10 Minute Rating	Catalog Number	System Number	Color Code
100mA	70P	70P00000Z	Grey/White
150mA	70R	70R00000Z	Red/White
180mA	70E	70E00000Z	Yellow
200mA	70X	70X00000Z	Black
250mA	70F	70F00000Z	Violet
250mA	70K	70K00000Z	Violet/White
350mA	70S	70S00000Z	Gray
500mA	70G	70G00000Z	Red
750mA	70H	70H00000Z	Brown
1.33A	70A	70A00000Z	White
2A	70B	70B00000Z	Orange
3A	70C	70C00000Z	Blue
3.5A	70J	70J00000Z	Black/White
5A	70D	70D00000Z	Green/Black
8A	70M	70M00000Z	Tan/White
10A	70N	70N00000Z	Yellow/Purple

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Telecom Surface Mount Fuse
NANO²® 461 Series

Features

- Surface mount overcurrent protection from lightning and power cross
- Meets UL1459/1950 power cross requirements stand alone
- Ideal for use in telecommunications equipment including modems, fax machines, desktop phones, answering machines and line cards
- Complies with Bellcore GR-1089-CORE and FCC 47 Part 68 surge specifications

Specifications

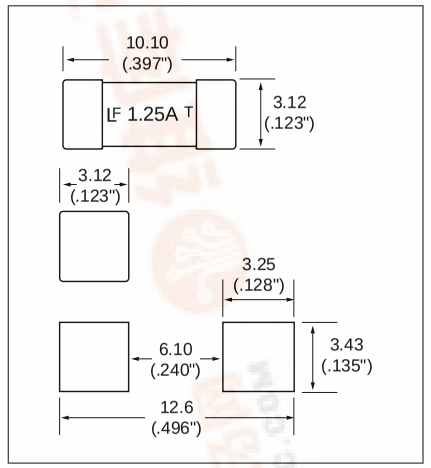
Approvals:
UL Recognized, CSA Certified

Short Circuit Capabilities (UL 1459/UL 1950 3rd ed.)
40 amperes @ 600 VAC
7 amperes @ 600 VAC
2.2 amperes @ 600 VAC

Interrupting Ratings:
50 amperes @ 250 VAC

Materials:
Body: Ceramic
Terminators: Silver-plated brass caps

Dimensions



Electrical Specifications

% of Ampere Rating	Opening Time Minimum / Maximum
100	4 hrs. / —
250	1 sec. /120 sec.

Overvoltage/AC Power Fault (Power Cross) Requirements:

The most severe tests are listed, Telecom Nano² will pass lower level test as well.

Standard/ Test	Source Voltage (VAC)	Surge Current (A)	Duration	Rating for Compliance Stand Alone²
GR-1089	1000	5	0.5 sec.	1.25A
GR-1089	600	60[1]	5 sec.	1.25A
UL 1950 3rd Edition	600	40	1.5 sec.	0.5, 1.25A
GR-1089	600	7	5 sec.	0.5, 1.25A
UL 1950 3rd Edition GR-1809	100-600	2.2	30 min.	0.5, 1.25A
UL 1950 3rd Edition GR-1809	277	25	15 min.	0.5, 1.25A
UL 1950 3rd Edition	120	25	30 min.	0.5, 1.25A

[1]The 1.25 rating is designed to enable equipment compliance with GR-1089. Application testing is strongly recommended as actual application and compliance testing will produce random closing angle surge conditions. Actual circuit resistance may enhance equipment performance under surge conditions.

[2]See UL 1950 for test procedures for fuses and testing at 135%.

Environmental/Lightning Surge Requirements

Standard/ Test	Source Voltage (Vpk)	Duration/ Wave Form (µSec.)	Surge Current (A)	Repetitions (Each Polarity)	Rating for Compliance Stand Alone[3]
GR-1089 1st Level	600	10 x 1000	100	25	1.25A
	1000	10 x 360	100	25	1.25A
	1000	10 x 1000	100	25	1.25A
	2500	2 x 10	500	10	1.25A
	1000	10 x 360	25	5	0.5, 1.25A
GR-1089 2nd Level	5000	2 x 10	500	1	1.25A
FCC 47 Part 68 Type A Metallic	800	10 x 560	100	1	1.25A
FCC 47 Part 68 Type A Longitudinal	1500	10 x 160	200	1	1.25A
FCC 47 Part 68 Type B Metallic	1000	voltage 9 x 720 current 5 x 320	25	1	0.5, 1.25A
FCC 47 Part 68 Type B Longitudinal	1500	voltage 9 x 720 current 5 x 320	37.5	1	0.5, 1.25A

[3]Additional series resistance used in conjunction with the fuse may allow compliance by fuse ratings not listed.

Ordering Information

Catalog Number	Ampere Rating	Voltage Rating	Nominal Resistance (Cold Ω)	Nominal Melting I²t (A² Sec.)
0461 .500	1/2	250	.56	.84
0461 1.25	1-1/4	250	.110	16.5[4]

[4] I²t is calculated at 10 msec or less. I²t at 10 times rated current has a typical value of 22 A²sec (1.25A).

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