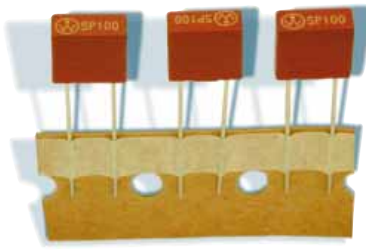
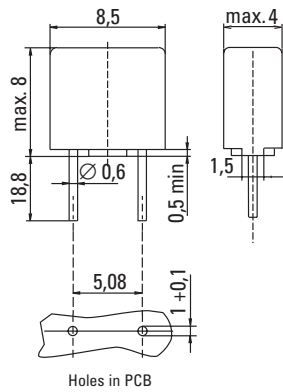


SP / No. 391
www.wickmann.com 3910125000 供应商



Dimensions (mm)



Short Circuit Protector, 65V Specifications

For Short Circuit Protection of Sensitive Electronic Components and Assemblies

Time-Current Characteristic

Quick Acting (F)

Operating Criteria

Maximum continuous current:
 $I_C \geq I_{operating\ max} \times F_T$ quick acting

Maximum melting integral:
 $I^2_{tSP} < I^2_{tsemiconductor}$ (warm)

Minimum fault current:
 $I_{Fault} \geq 3 \times I_C$

Maximum fault current:
 $I_{Fault} \leq 50A$ at 65VAC/DC

Features

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

WebLinks

Data Sheet

www.wickmann.com/products/391.pdf

Time-Current Curve

Page 116
www.wickmann.com/itcurves

Packaging

Page 118
www.wickmann.com/pack

FaxBack Document # 312

Packaging

000: Tape/Ammopack (1400 pcs.)

Materials

Base/Cap: Brown Thermoplastic
 Polyamide PA 6.6, UL 94V0
 Round Pins: Copper alloy, 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 ≤ 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.)

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

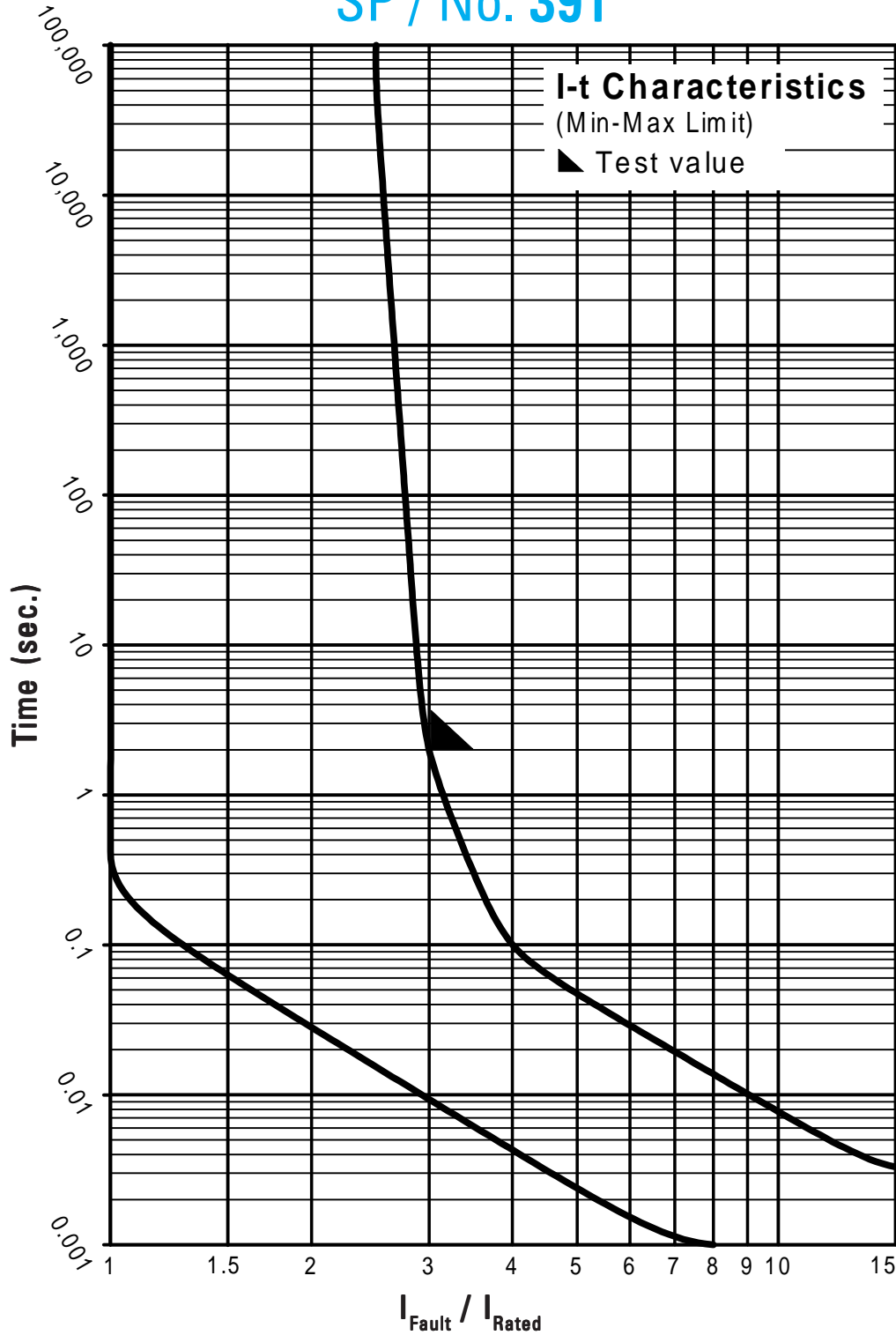
| Continuous Current I_C | Type | Amp Code | Voltage Rating | Fault Current max. | Cold Resistance $0.1 \times I_C$ typ. (mΩ) | Power Dissipation $1.0 \times I_C$ max. (mW) | Melting Integral $10 \times I_C$ typ. (A ² s) |
|-----------------------------|-------|----------|----------------|--|--|--|--|
| 125mA | SP 13 | 0125 | 65V | | 3400 | 190 | 0.005 |
| 160mA | SP 16 | 0160 | 65V | | 2450 | 210 | 0.0095 |
| 200mA | SP 20 | 0200 | 65V | | 1750 | 240 | 0.019 |
| 250mA | SP 25 | 0250 | 65V | | 195 | 52 | 0.012 |
| 315mA | SP 32 | 0315 | 65V | | 155 | 65 | 0.018 |
| 400mA | SP 40 | 0400 | 65V | | 120 | 85 | 0.034 |
| 500mA | SP 50 | 0500 | 65V | 50A / 65VAC/DC 50-60Hz cos φ = 1.0 | 95 | 105 | 0.057 |
| 630mA | SP 63 | 0630 | 65V | | 75 | 135 | 0.095 |
| 800mA | SP 80 | 0800 | 65V | | 58 | 170 | 0.16 |
| 1.00A | SP100 | 1100 | 65V | | 46 | 220 | 0.27 |
| 1.25A | SP125 | 1125 | 65V | | 37 | 270 | 0.45 |
| 1.60A | SP160 | 1160 | 65V | | 29 | 350 | 0.77 |
| 2.00A | SP200 | 1200 | 65V | | 23 | 440 | 0.85 |
| 2.50A | SP250 | 1250 | 65V | | 18 | 550 | 2.2 |
| 3.15A | SP315 | 1315 | 65V | | 14 | 700 | 3.7 |
| 4.00A | SP400 | 1400 | 65V | | 12 | 900 | 6.5 |

Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
| | | 391 | | |

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