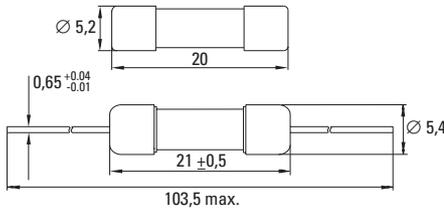


5x20mm / No. 198

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Dimensions (mm)



UL 248-14, 250V, D

Time-Current Characteristic

Time Delay (D)

Standard

UL 248-14
CSA C22.2 No. 248.14

Approvals

UL Listed: File No. E 67006
CSA Certified: File No. 51378-37

Features

Visual fault indication
Direct solderable or plug-in versions
Internationally approved
Worldwide availability

WebLinks

Data Sheet

www.wickmann.com/products/198.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

FaxBack Document # 201

Specifications

Packaging

000: Bulk (1000 pcs.)
002: Bulk (10 pcs.)
040: Axial Leads - Bulk (1000 pcs.)
043: Axial Leads - Tape/Reel (1250 pcs.)

Materials

Tube: Glass
End Caps: Nickel-plated brass
Axial Leads: Silver-plated caps
Tin-plated copper wires

Operating Temperature

-25°C to +70°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

Solderability

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

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-20)

Marking

, Current Rating, 250VAC, D, 198, Approvals

Unit Weight

1.1g (approx.)
2.0g (with leads)

Limits for Pre-arcing Time

| Rated Current | $1.35 \times I_{Rated}$ | $2.0 \times I_{Rated}$ |
|----------------|-------------------------|------------------------|
| 80mA ... 3.00A | < 1h | 5s ... 120s |
| 3.50A | < 1h | 12s ... 120s |



Permissible continuous operating current is ≤ 75% at ambient temperature of 23°C (73.4°F).

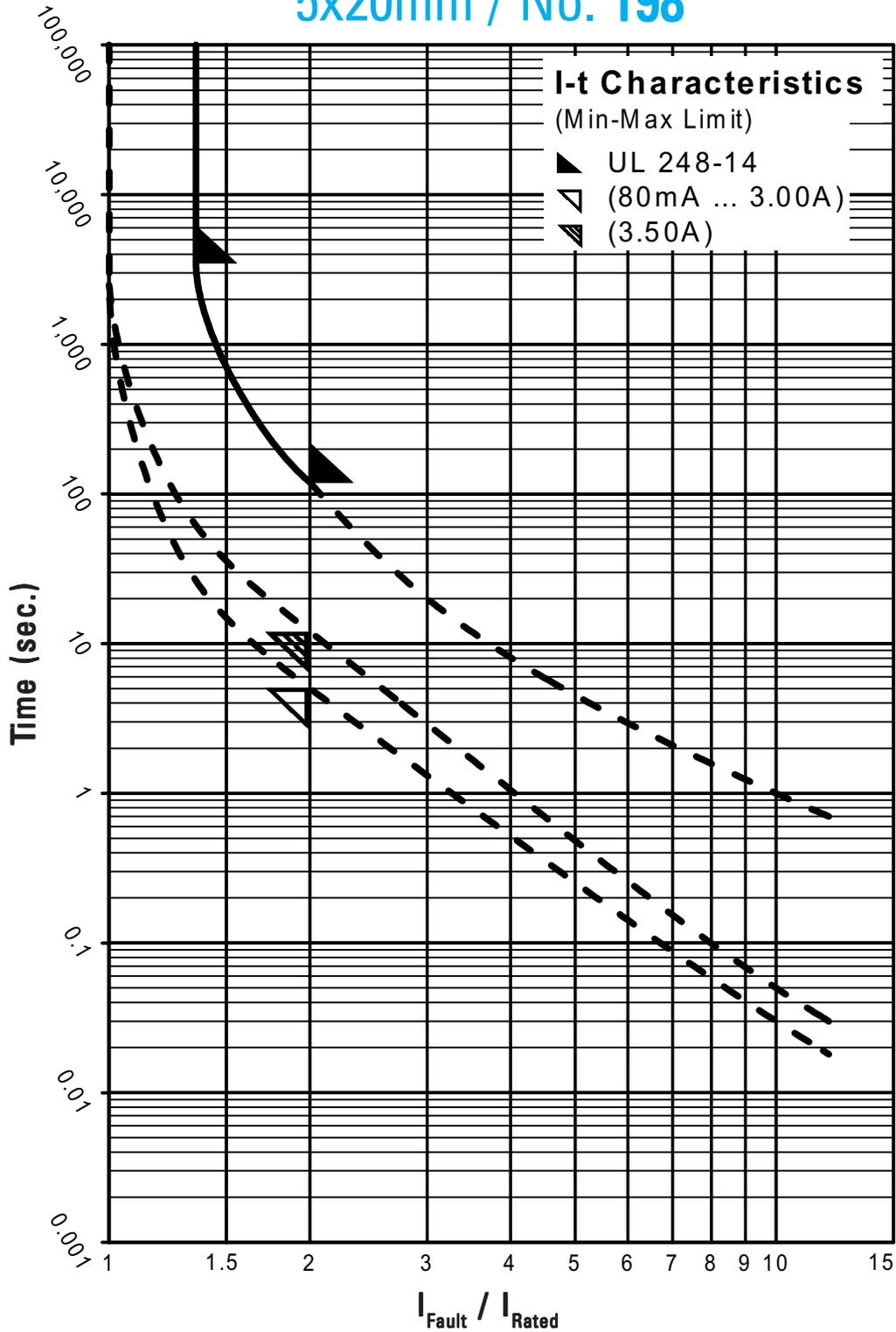
| Rated Current | Amp Code | Voltage Rating | Breaking Capacity | Voltage Drop $1.0 \times I_{Rated}$ max. (mV) | Power Dissipation $1.0 \times I_{Rated}$ max. (W) | Melting Integral $10 \times I_{Rated}$ min. (A ² s) | Approvals |
|---------------|----------|----------------|-------------------|---|---|--|-----------|
| 80mA | 0080 | 250V | | 2800 | 0.4 | 0.019 | • • |
| 100mA | 0100 | 250V | | 2400 | 0.5 | 0.038 | • • |
| 125mA | 0125 | 250V | | 2100 | 0.5 | 0.066 | • • |
| 150mA | 0150 | 250V | | 1800 | 0.5 | 0.10 | • • |
| 200mA | 0200 | 250V | | 1300 | 0.6 | 0.18 | • • |
| 250mA | 0250 | 250V | 35A / 250VAC | 1100 | 0.7 | 0.29 | • • |
| 300mA | 0300 | 250V | 10kA / 125VAC | 1050 | 0.7 | 0.5 | • • |
| 400mA | 0400 | 250V | 50-60Hz | 850 | 0.8 | 1.0 | • • |
| 500mA | 0500 | 250V | cos φ = 0.7-0.8 | 650 | 0.8 | 1.6 | • • |
| 600mA | 0600 | 250V | | 550 | 0.8 | 2.7 | • • |
| 700mA | 0700 | 250V | | 500 | 0.9 | 3.7 | • • |
| 800mA | 0800 | 250V | | 400 | 0.9 | 5.6 | • • |
| 1.00A | 1100 | 250V | | 350 | 1.0 | 9.5 | • • |
| 1.25A | 1125 | 250V | | 300 | 1.0 | 15 | • • |
| 1.60A | 1160 | 250V | | 270 | 1.1 | 25 | • • |
| 2.00A | 1200 | 250V | 100A / 250VAC | 235 | 1.1 | 46 | • • |
| 2.50A | 1250 | 250V | 10kA / 125VAC | 215 | 1.2 | 83 | • • |
| 3.00A | 1300 | 250V | 50-60Hz | 200 | 1.3 | 110 | • • |
| 3.50A | 1350 | 250V | cos φ = 0.7-0.8 | 200 | 1.3 | 180 | • • |

Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
| | | 198 | | |

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5x20mm / No. 198



Contact WICKMANN for individual I-t curves