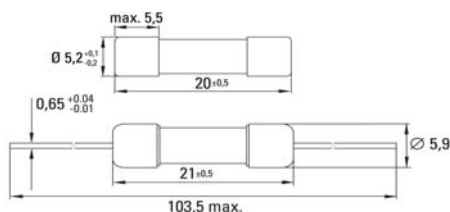


5x20 mm / No. 191

This product is not recommended for new designs. Please refer to Littelfuse No. 235.



Dimensions (mm)



Optional Holders

UL 248-14, 250 V, F

Time-Current Characteristic

Quick Acting (F)

Standard

UL 248-14
CSA C22.2 No. 248.14

Approvals

UL Listed
cUL Listed
METI-PSE

Features

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

WebLinks

Further info see:

www.wickmanngroup.com

Further application info see fuseology:

www.wickmanngroup.com/download/fuseology.pdf

Specifications

Packaging

000: Bulk (1000 pcs.)
002: Bulk (20x10 pcs.)
043: With mounted holders - Tape/Reel (1250 pcs.) on request

Materials

Tube: Glass
End Caps: Nickel-plated brass
Optional Holders: Nickel-plated caps
Tin-plated copper wires

Operating Temperature

-25 °C to +70 °C (consider de-rating)

Climatic Category

-25 °C / +70 °C / 21 days
(IEC 60068-1,-2-1,-2-2,-2-78)

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 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Solderability

260 °C, ≤ 3 s (Wave)
350 °C, ≤ 1 s (Soldering iron)

Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-20)

Marking

Ⓢ, Current Rating, 250 V AC, 191, Approvals

Unit Weight

1.0 g (approx.)
1.9 g (with mounted holders)

Limits for Pre-arcing Time

| Rated Current | 1.35 x I _N | 2.0 x I _N | 2.0 x I _N Ⓢ |
|-------------------|-----------------------|----------------------|------------------------|
| 250 mA ... 7.00 A | < 1 h | < 120 s | < 5 s |



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

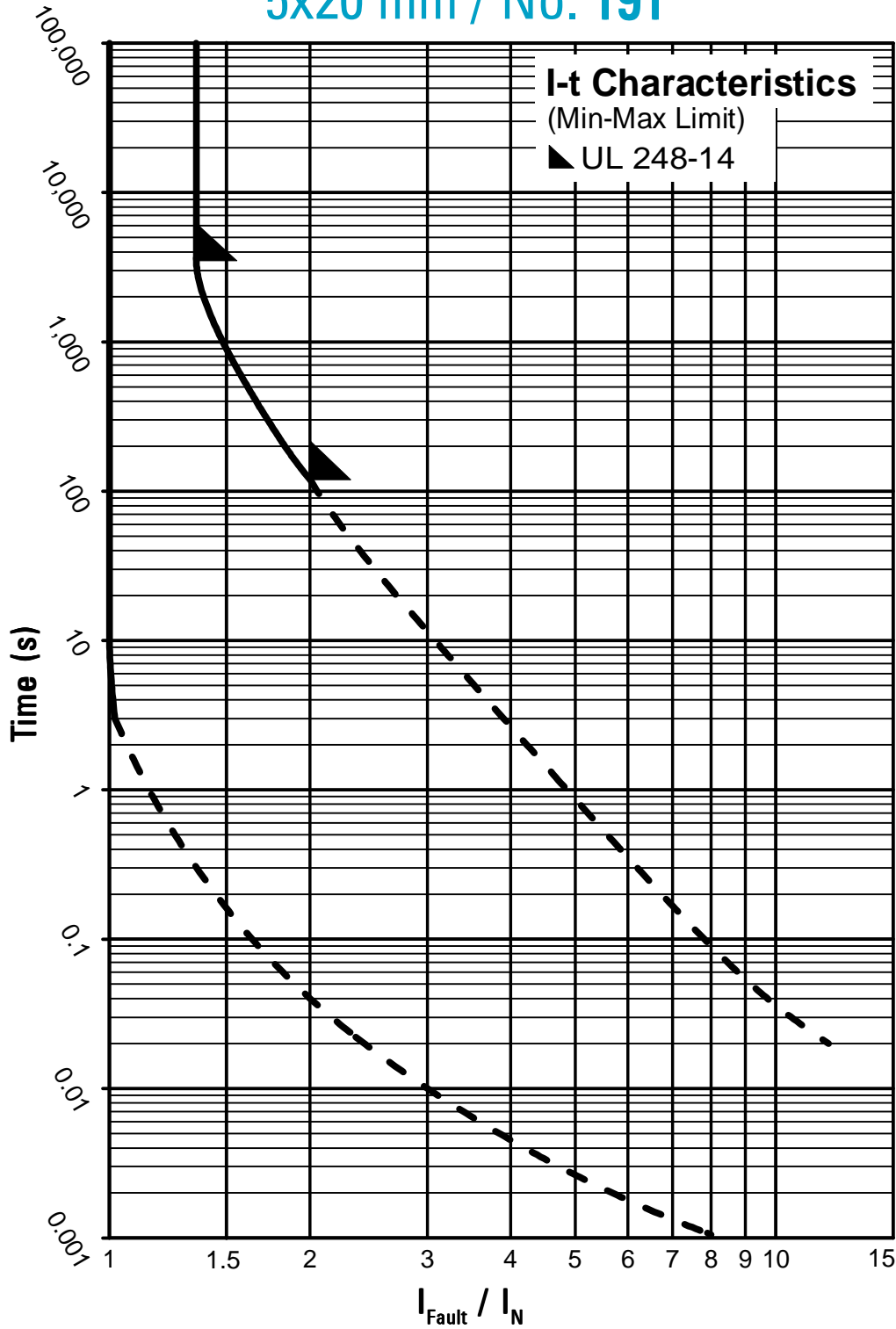
| Rated Current | Amp Code | Voltage Rating | Breaking Capacity | Voltage Drop 1.0 x I _N Ⓢ max. (mV) | Power Dissipation 1.0 x I _N Ⓢ max. (W) | Melting Integral 10 x I _N Ⓢ max. (A ² s) | Approvals | | |
|---------------|----------|----------------|-------------------|---|---|--|-----------|-----|----------|
| | | | | | | | UL | cUL | METI-PSE |
| 250 mA | 0250 | 250 V | | 350 | 0.3 | 0.024 | • | • | |
| 300 mA | 0300 | 250 V | | 300 | 0.3 | 0.047 | • | • | |
| 350 mA | 0350 | 250 V | | 300 | 0.4 | 0.081 | • | • | |
| 400 mA | 0400 | 250 V | 35 A / 250 V AC | 280 | 0.4 | 0.11 | • | • | |
| 500 mA | 0500 | 250 V | 10 kA / 125 V AC | 250 | 0.4 | 0.24 | • | • | |
| 600 mA | 0600 | 250 V | 50-60 Hz | 230 | 0.5 | 0.38 | • | • | |
| 700 mA | 0700 | 250 V | cos φ = 0.7-0.8 | 210 | 0.5 | 0.54 | • | • | |
| 800 mA | 0800 | 250 V | | 200 | 0.6 | 0.6 | • | • | |
| 1.00 A | 1100 | 250 V | | 180 | 0.6 | 1.7 | • | • | • |
| 1.25 A | 1125 | 250 V | | 170 | 0.7 | 2.8 | • | • | • |
| 1.60 A | 1160 | 250 V | 100 A / 250 V AC | 150 | 0.8 | 5.4 | • | • | • |
| 2.00 A | 1200 | 250 V | 10 kA / 125 V AC | 130 | 0.9 | 11 | • | • | • |
| 2.50 A | 1250 | 250 V | 50-60 Hz | 120 | 1.0 | 13 | • | • | • |
| 3.00 A | 1300 | 250 V | cos φ = 0.7-0.8 | 115 | 1.1 | 21 | • | • | • |
| 3.50 A | 1350 | 250 V | | 110 | 1.3 | 32 | • | • | • |
| 4.00 A | 1400 | 125 V | | 105 | 1.3 | 40 | • | • | • |
| 5.00 A | 1500 | 125 V | 10 kA / 125 V AC | 100 | 1.4 | 69 | • | • | • |
| 6.00 A | 1600 | 125 V | 50-60 Hz | 95 | 1.4 | 120 | • | • | |
| 7.00 A | 1700 | 125 V | cos φ = 0.7-0.8 | 90 | 1.4 | 180 | • | • | |

Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
| | | 191 | | |

Specifications are subject to change without notice

5x20 mm / No. 191



Contact WICKMANN for individual I-t curves