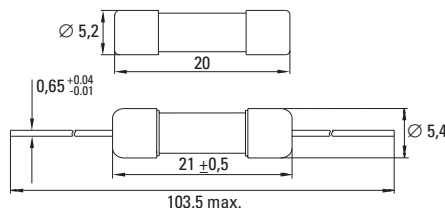


5x20mm / No. 198



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



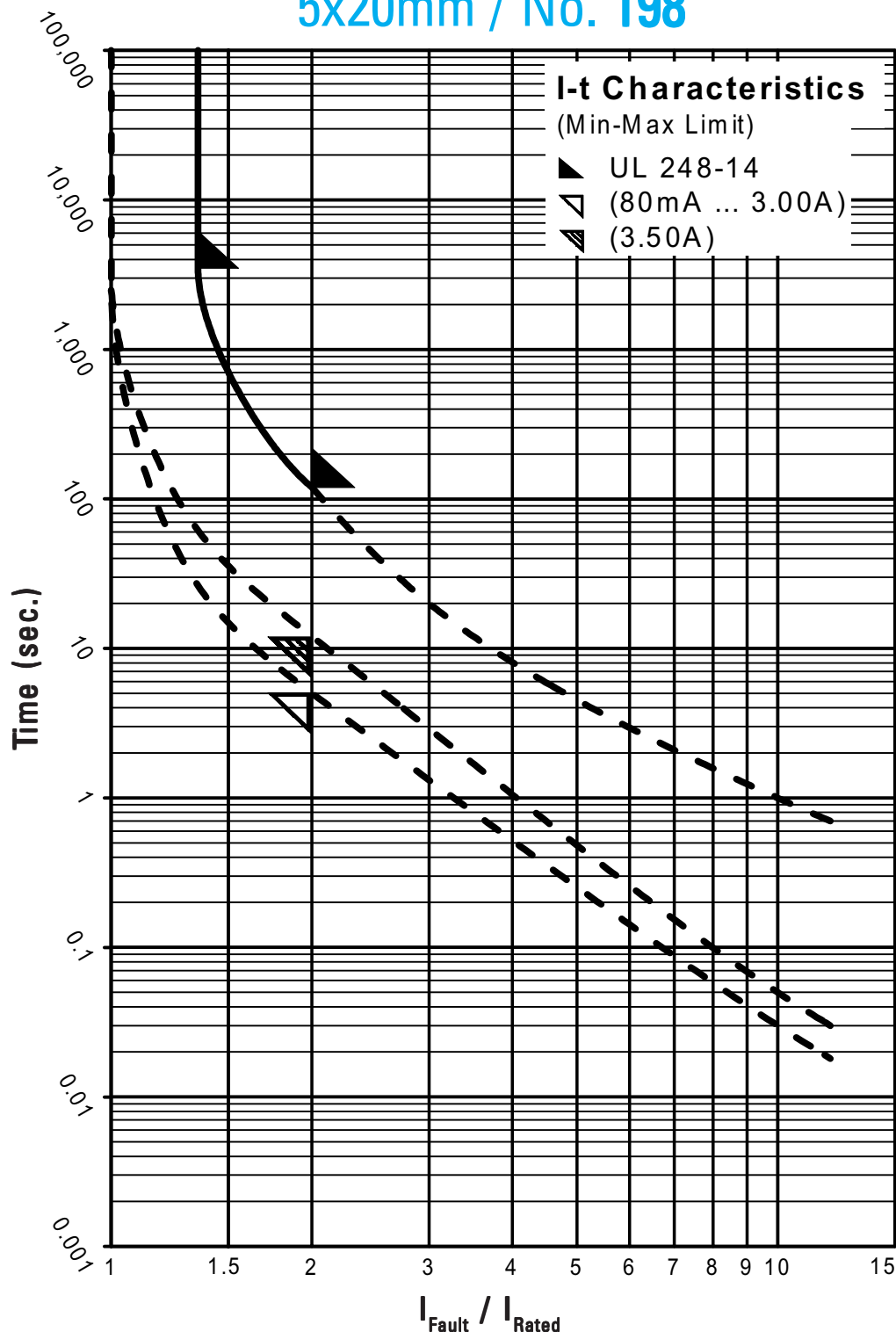
Permissible continuous operating current is ≤ 75% at ambient temperature of 23°C (73.4°F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ max. (mV)	Power Dissipation $1.0 \times I_{\text{Rated}}$ max. (W)	Melting Integral $10 \times I_{\text{Rated}}$ min. (A²s)	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		1100	0.7	0.29	• •
300mA	0300	250V		1050	0.7	0.5	• •
400mA	0400	250V		850	0.8	1.0	• •
500mA	0500	250V		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		235	1.1	46	• •
2.50A	1250	250V		215	1.2	83	• •
3.00A	1300	250V		200	1.3	110	• •
3.50A	1350	250V		200	1.3	180	• •

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		198		

5x20mm / No. 198



Contact WICKMANN for individual I-t curves