

5x20mm / No. 197

UL 248-14, 250V, M

Specifications

Packaging

000: Bulk (1000 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

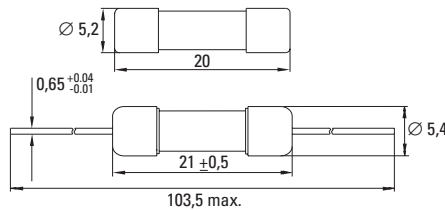
 , Current Rating, 250VAC, 197, Approvals

Unit Weight

1.0g (approx.)
1.9g (with leads)



Dimensions (mm)



Time-Current Characteristic

Medium Time Lag (M)

Standard

UL 248-14
CSA C22.2 No. 248.14

Approvals

UL Listed: File No. E 67006
cUL Listed: File No. E 67006

Features

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

WebLinks

Data Sheet

www.wickmann.com/products/197.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

FaxBack Document # 201

Limits for Pre-arcing Time

Rated Current	$1.35 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$
250mA ... 7.00A	< 1h	< 120s



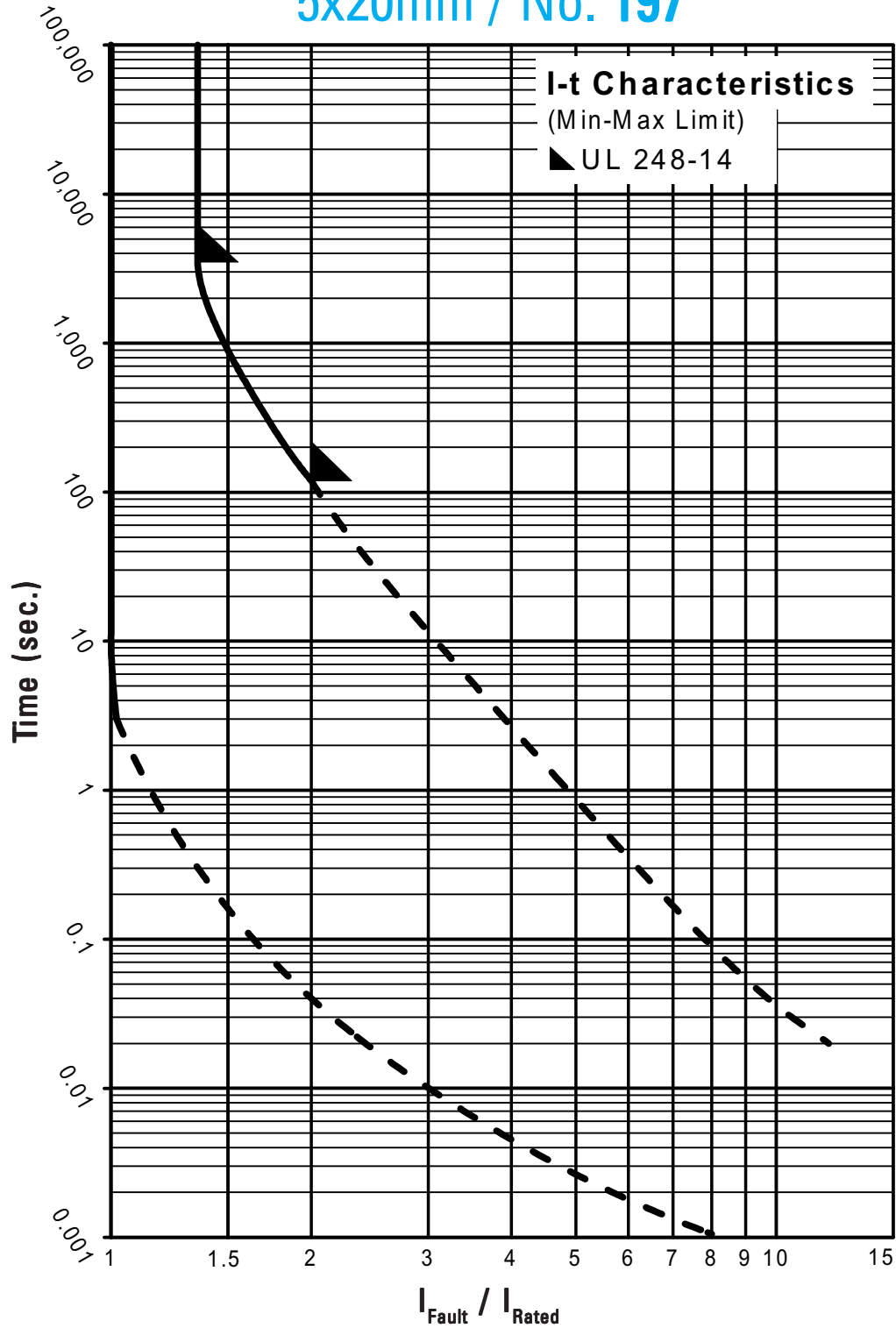
Permissible continuous operating current is ≤ 75% at ambient temperature of 23°C (73.4°F).

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 $10 \times I_{\text{Rated}}$ typ. (A²s)	Approvals
250mA	0250	250V		350	0.3	0.019	• •
300mA	0300	250V		300	0.3	0.038	• •
350mA	0350	250V		300	0.4	0.065	• •
400mA	0400	250V	35A / 250VAC	280	0.4	0.092	• •
500mA	0500	250V	10kA / 125VAC	250	0.4	0.19	• •
600mA	0600	250V	50-60Hz	230	0.5	0.31	• •
700mA	0700	250V	cos φ = 0.7-0.8	210	0.5	0.43	• •
800mA	0800	250V		200	0.6	0.48	• •
1.00A	1100	250V		180	0.6	1.3	• •
1.25A	1125	250V		170	0.7	2.2	• •
1.60A	1160	250V	100A / 250VAC	150	0.8	4.3	• •
2.00A	1200	250V	10kA / 125VAC	130	0.9	8.6	• •
2.50A	1250	250V	50-60Hz	120	1.0	10	• •
3.00A	1300	250V	cos φ = 0.7-0.8	115	1.1	17	• •
3.50A	1350	250V		110	1.3	26	• •
4.00A	1400	125V		105	1.3	32	• •
5.00A	1500	125V	10kA / 125VAC	100	1.4	55	• •
6.00A	1600	125V	50-60Hz	95	1.4	96	• •
7.00A	1700	125V	cos φ = 0.7-0.8	90	1.4	140	• •

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		197		

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Contact WICKMANN for individual I-t curves