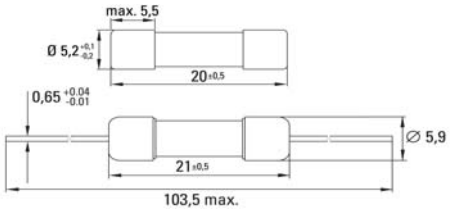
5x20mm / No. 198

This product is not recommended for new designs. Please refer to Littelfuse No. 239.



Dimensions (mm)



Optional Holders

UL 248-14, 250V, D

Time-Current Characteristic
Time Delay (D)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
UL Listed
CSA Certified

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 holder - 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 (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 x I_{Rated}	2.0 x 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 x I_{Rated} Ⓦ max. (mV)	Power Dissipation 1.0 x I_{Rated} Ⓦ max. (W)	Melting Integral 10 x I_{Rated} Ⓦ min. (A^2s)	Approvals UL	Approvals CSA
80mA	0080	250V	35A / 250VAC 10kA / 125VAC 50-60Hz cos φ = 0.7-0.8	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	100A / 250VAC 10kA / 125VAC 50-60Hz cos φ = 0.7-0.8	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		

Specifications are subject to change without notice

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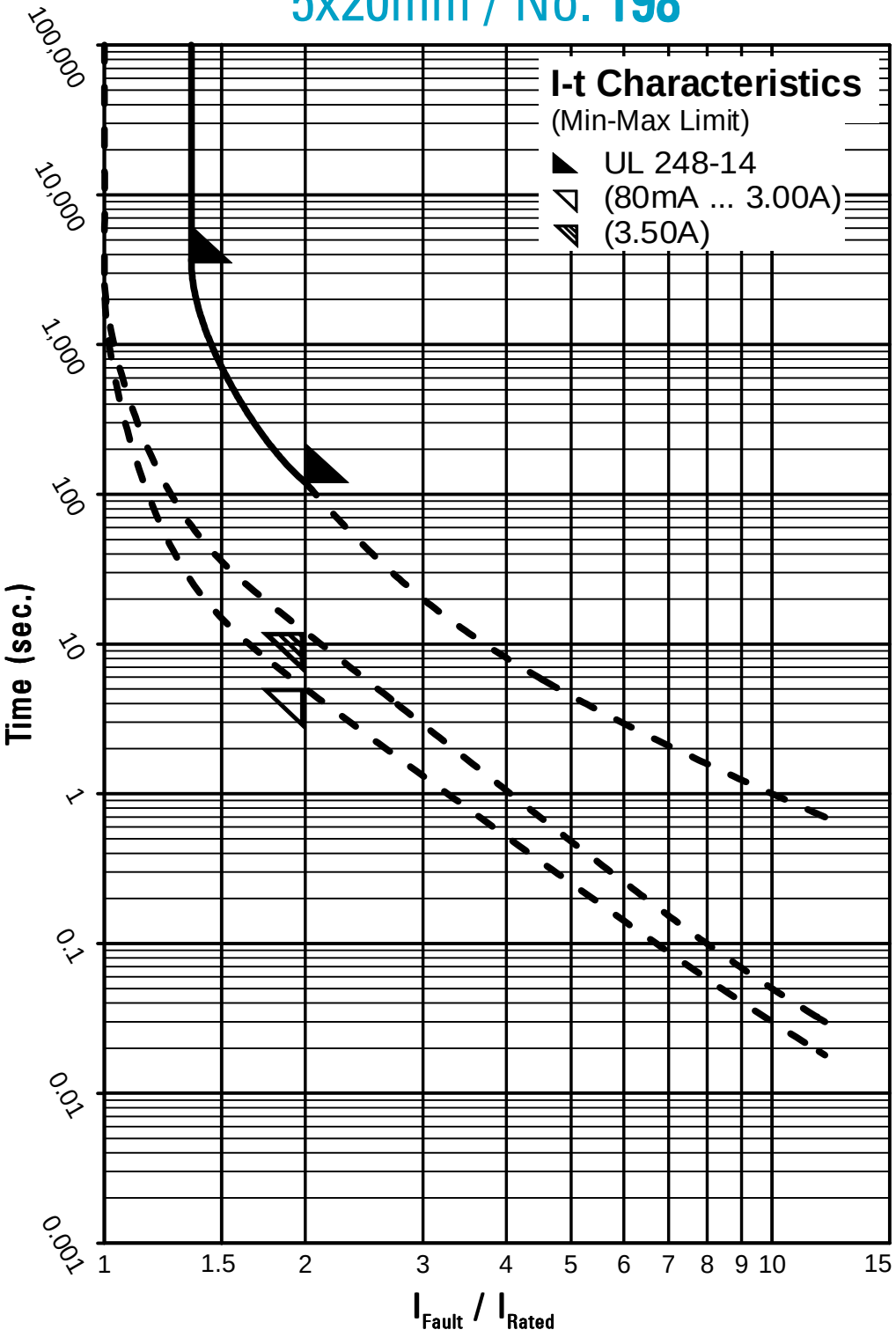
5x20mm / No. 198



Contact WICKMANN for individual I-t curves