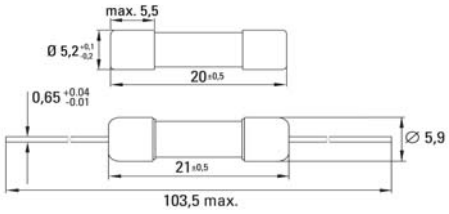
5x20mm / No. 195

This product is not recommended for new designs. Please refer to Littelfuse No. 218.



Dimensions (mm)



Optional Holders*

IEC 60127-2/III, 250 V, T

Time-Current Characteristic
Time Lag (T)

Standard
IEC 60127-2/III & DIN 41662

Approvals
VDE
SEMKO
cULus Recognized
BSI
IMQ
METI-PSE
CCC

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*
*approvals pending for Pb-free fuse with holders

Materials

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

Operating Temperature
-40 °C to +85 °C (consider de-rating)

Climatic Category
-40 °C/+85 °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 (mounted holders)
260 °C, ≤ 3 s (Wave)
350 °C, ≤ 1 s (Soldering iron)

Soldering Heat Resistance (mounted holders)
260 °C, 10 s (IEC 60068-2-20)

Marking
W, T, Current Rating, L, 250 V, Approvals

Unit Weight
1.1 g (approx.)
2.1 g (with leads)

Pb RoHS **only 100 mA up to 16 A**

Limits for Pre-arcing Time

Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
32 mA ... 100 mA	> 1 h	< 2 min	200 ms ...10 s	40 ms ... 3 s	10 ms ... 300 ms
125 mA ... 10.00 A	> 1 h	< 2 min	600 ms...10 s	150 ms ...3 s	20 ms ... 300 ms
12.50 A ... 16.00 A	> 30 min	< 10 min	--	--	20 ms ... 300 ms

Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I_N W max. (mV)	Power Dissipation 1.5 x I_N W max. (W)	Melting Integral 10 x I_N W min. (A^2s)	Approvals VDE	SEMKO	cURus	BSI	IMQ	METI-PSE	CCC
32 mA	0032	250 V		2500	0.2	0.010	•	•	•	•	•		•
40 mA	0040	250 V		1600	0.2	0.011	•	•	•	•	•		•
50 mA	0050	250 V		1500	0.3	0.020	•	•	•	•	•		•
63 mA	0063	250 V		1300	0.3	0.026	•	•	•	•	•		•
80 mA	0080	250 V		1100	0.3	0.052	•	•	•	•	•		•
100 mA	0100	250 V		1000	0.3	0.073	•	•	•	•	•		•
125 mA	0125	250 V		900	0.3	0.13	•	•	•	•	•		•
160 mA	0160	250 V		800	0.4	0.22	•	•	•	•	•		•
200 mA	0200	250 V		600	0.4	0.30	•	•	•	•	•		•
250 mA	0250	250 V		550	0.4	0.32	•	•	•	•	•		•
315 mA	0315	250 V		350	0.5	1.1	•	•	•	•	•		•
400 mA	0400	250 V		300	0.5	2.4	•	•	•	•	•		•
500 mA	0500	250 V	35A / 250 V AC 50-60 Hz cos φ = 1.0	250	0.6	3.8	•	•	•	•	•		•
630 mA	0630	250 V		200	0.6	7.5	•	•	•	•	•		•
800 mA	0800	250 V		180	0.7	10	•	•	•	•	•		•
1.00 A	1100	250 V		150	0.7	11	•	•	•	•	•	•	•
1.25 A	1125	250 V		135	0.8	20	•	•	•	•	•	•	•
1.60 A	1160	250 V		125	0.9	36	•	•	•	•	•	•	•
2.00 A	1200	250 V		110	0.9	10	•	•	•	•	•	•	•
2.50 A	1250	250 V		100	1.0	14	•	•	•	•	•	•	•
3.15 A	1315	250 V		90	1.1	25	•	•	•	•	•	•	•
4.00 A	1400	250 V	40 A/250 V AC/cos φ=1	80	1.2	42	•	•	•	•	•	•	•
5.00 A	1500	250 V	50 A/250 V AC/cos φ=1	70	1.3	70	•	•	•	•	•	•	•
6.30 A	1630	250 V	63 A/250 V AC/cos φ=1	70	1.5	120	•	•	•	•	•		•
8.00 A[1]	1800	125 V / 250 V *	63 A/250 V AC/cos φ=1 80 A/125 V AC/cos φ=1	90	2.6	200	•	•	•				•
10.00 A[1]	2100	125 V / 250 V *	63 A/250 V AC/cos φ=1 100 A/125V AC/cos φ=1	95	3.0	400	•	•	•				•
12.50 A[1]	2125	250 V	63 A/250 V AC/cos φ=1	120	3.5	650			•				•
16.00 A[1]	2160	250 V	63 A/250 V AC/cos φ=1	120	4.0	1000							•

[1] Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.
* 125 V AC according to IEC 60127 (fuse is engraved with 125 V) / 250 V AC cURus approved.

Order Information	Qty.	Order-Number	Series	Amp Code	Packaging
			195		

p=pending
Specifications are subject to change without notice.

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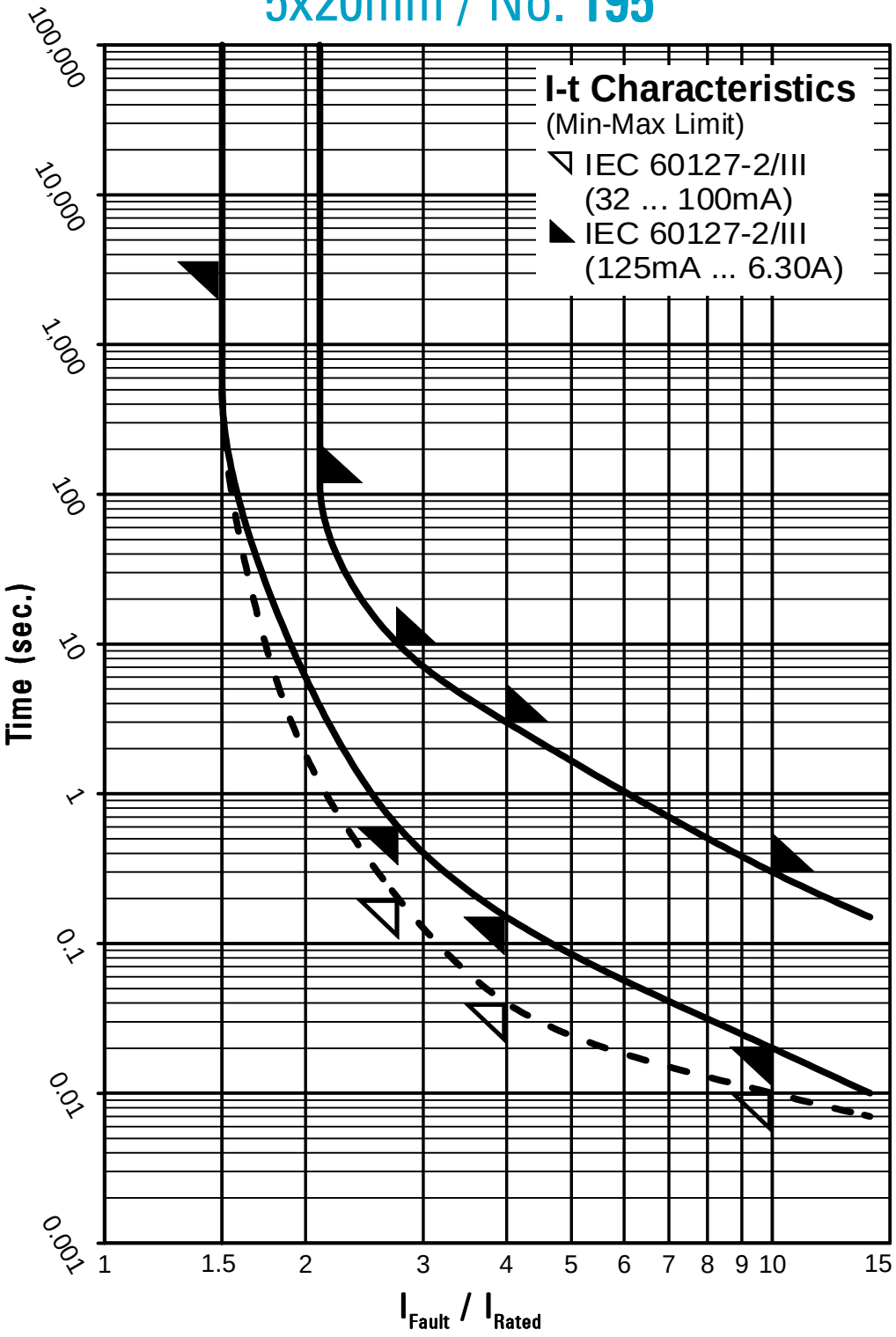
5x20mm / No. 195



Contact WICKMANN for individual I-t curves