

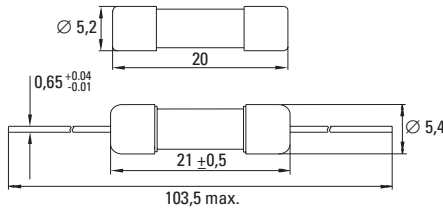
5x20mm / No. 195

IEC 60127-2/III, 250V, T

Specifications



Dimensions (mm)



Time-Current Characteristic

Time Lag (T)

Standard

IEC 60127-2/III & DIN 41662

Approvals

VDE: License No. 97122/100856
 SEMKO: Certificate No. 9739088/9732005
 cULus Recognized: File No. E 67006
 BSI: License No. KM 7850/KM 37421
 IMQ: Certificate No. E3267/EN297
 CCEE: Cert. No. CH0026528-98/CH0035865-99
 MITI: File No. 32-1928

Features

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

WebLinks

Data Sheet

www.wickmann.com/products/195.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

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
 (not available above 8A)

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

⊕, T, Current Rating, L, 250V, Approvals

Unit Weight

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



Limits for Pre-arcing Time

Rated Current	1.5 x I _{Rated}	2.1 x I _{Rated}	2.75 x I _{Rated}	4 x I _{Rated}	10 x I _{Rated}
32mA ... 100mA	> 1h	< 2 min	200ms ... 10s	40ms ... 3s	10ms ... 300ms
125mA ... 6.30A	> 1h	< 2 min	600ms ... 10s	150ms ... 3s	20ms ... 300ms
8.00A ... 12.50A	> 30min	< 10 min	--	--	20ms ... 300ms

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

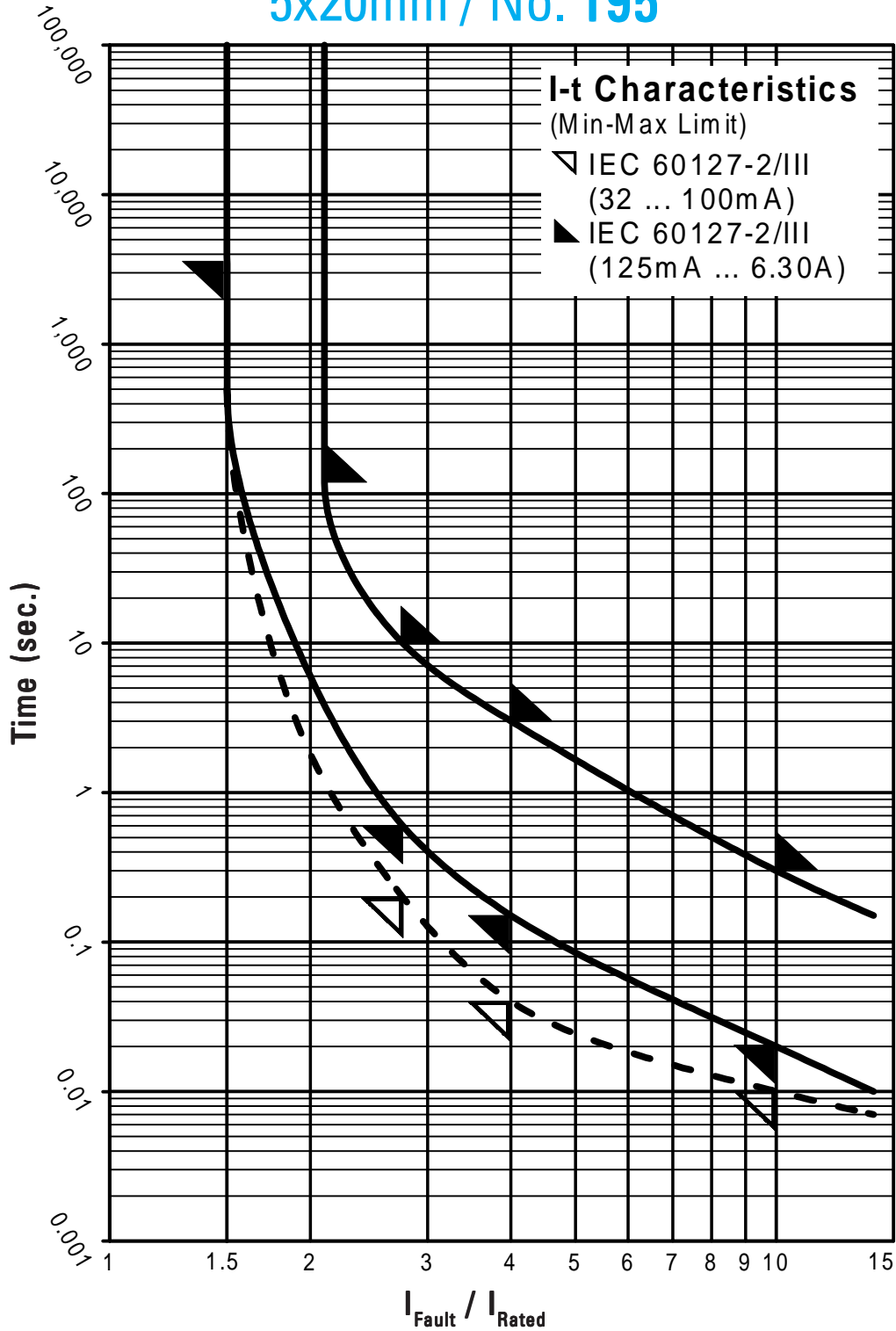
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I _{Rated} max. (mV)	Power Dissipation 1.5 x I _{Rated} max. (W)	Melting Integral 10 x I _{Rated} min. (A ² s)	Approvals						
							VDE	SEMKO	cULus	BSI	IMQ	MITI	CCEE
32mA	0032	250V		2500	0.2	0.010	•	•	•	•	•	•	•
40mA	0040	250V		1600	0.2	0.011	•	•	•	•	•	•	•
50mA	0050	250V		1500	0.3	0.020	•	•	•	•	•	•	•
63mA	0063	250V		1300	0.3	0.026	•	•	•	•	•	•	•
80mA	0080	250V		1100	0.3	0.052	•	•	•	•	•	•	•
100mA	0100	250V		1000	0.3	0.073	•	•	•	•	•	•	•
125mA	0125	250V		900	0.3	0.13	•	•	•	•	•	•	•
160mA	0160	250V		800	0.4	0.22	•	•	•	•	•	•	•
200mA	0200	250V		600	0.4	0.30	•	•	•	•	•	•	•
250mA	0250	250V	35A / 250VAC	550	0.4	0.32	•	•	•	•	•	•	•
315mA	0315	250V	50-60Hz	350	0.5	1.1	•	•	•	•	•	•	•
400mA	0400	250V	cos φ = 1.0	300	0.5	2.4	•	•	•	•	•	•	•
500mA	0500	250V		250	0.6	3.8	•	•	•	•	•	•	•
630mA	0630	250V		200	0.6	7.5	•	•	•	•	•	•	•
800mA	0800	250V		180	0.7	10	•	•	•	•	•	•	•
1.00A	1100	250V		150	0.7	11	•	•	•	•	•	•	•
1.25A	1125	250V		135	0.8	20	•	•	•	•	•	•	•
1.60A	1160	250V		125	0.9	36	•	•	•	•	•	•	•
2.00A	1200	250V		110	0.9	10	•	•	•	•	•	•	•
2.50A	1250	250V		100	1.0	14	•	•	•	•	•	•	•
3.15A	1315	250V		90	1.1	25	•	•	•	•	•	•	•
4.00A	1400	250V	40A/250VAC/cos φ=1	80	1.2	42	•	•	•	•	•	•	•
5.00A	1500	250V	50A/250VAC/cos φ=1	70	1.3	70	•	•	•	•	•	•	•
6.30A	1630	250V	63A/250VAC/cos φ=1	70	1.5	120	•	•	•	•	•	•	•
8.00A ¹	1800	250V	63A/250VAC/cos φ=1	120	2.6	240	•	•	•	•	•	•	•
10.00A ¹	2100	250V	63A/250VAC/cos φ=1	120	3.0	400	•	•	•	•	•	•	•
12.50A ¹	2125	250V	63A/250VAC/cos φ=1	120	3.5	650	•	•	•	•	•	•	•

¹ Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered. ² Please specify if MITI and CCEE is required when ordering.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		195		

5x20mm / No. 195



Contact WICKMANN for individual I-t curves