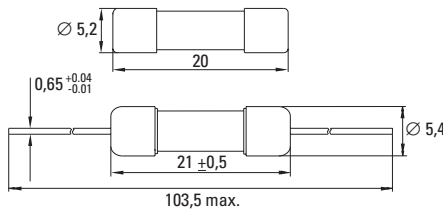


5x20mm / No. 196

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Dimensions (mm)



IEC 60127-2/VI, 250V, T

Time-Current Characteristic

Time Lag (T)

Standard

IEC 60127-2/VI

Approvals

VDE: License No. 101050/101051
 SEMKO: Certificate No. 9943417
 BSI: License No. KM 7850/KM 37421
 cULus Recognized: File No. E 67006

Features

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

WebLinks

Data Sheet

www.wickmann.com/products/196.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

FaxBack Document # 205

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

Ⓢ, T, Current Rating, E, 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



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

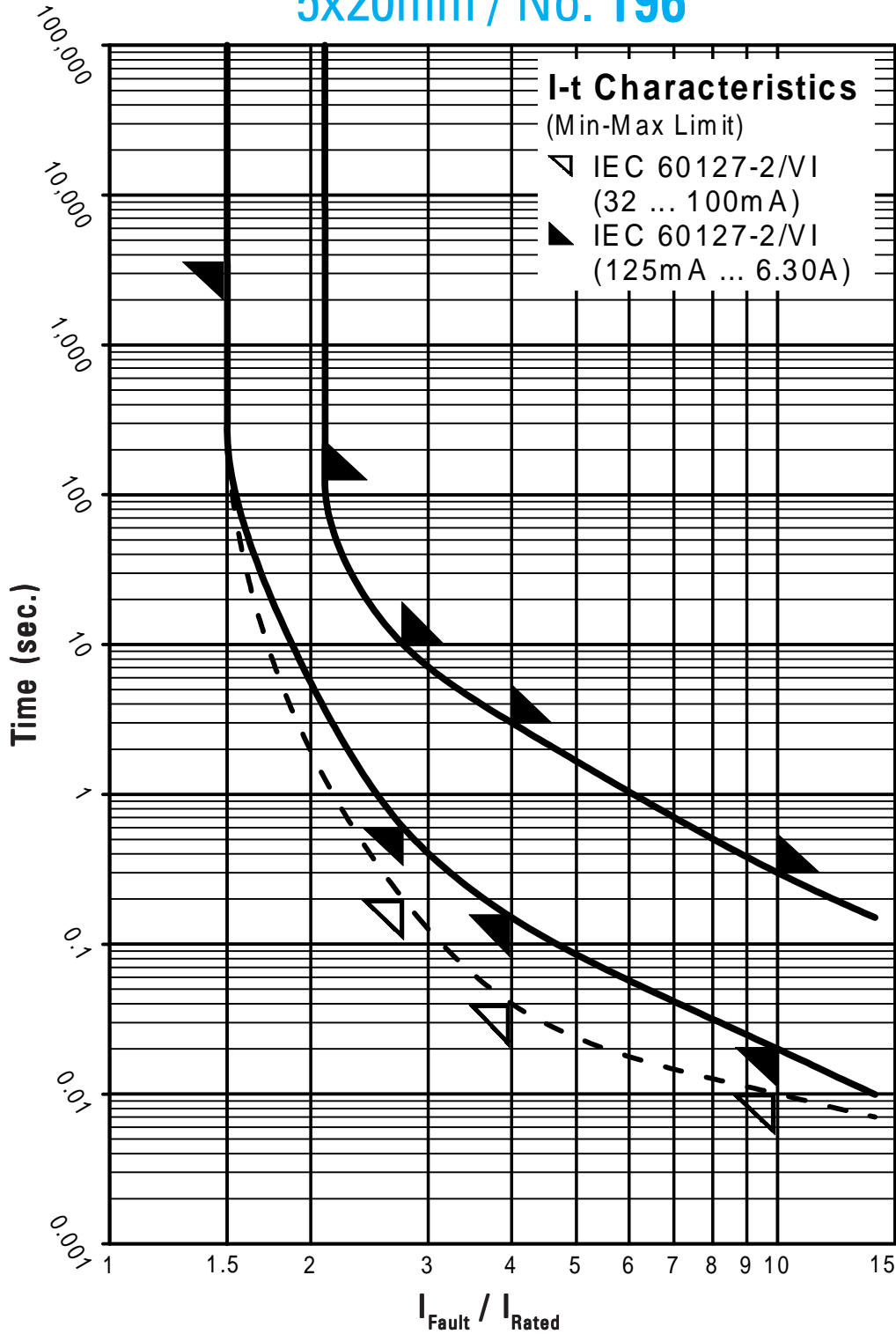
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I _{Rated} max. (mV)	Power Dissipation 1.5 x I _{Rated} max. (W)	Melting Integral 10 x I _{Rated} min. (A ² s)	Approvals			
							VDE	SEMKO	BSI	cULus
32mA	0032	250V		2500	0.2	0.010	•	•	•	•
40mA	0040	250V		1600	0.2	0.011	•	•	•	•
50mA	0050	250V		1500	0.3	0.019	•	•	•	•
63mA	0063	250V		1300	0.3	0.035	•	•	•	•
80mA	0080	250V		1100	0.3	0.055	•	•	•	•
100mA	0100	250V		1000	0.3	0.075	•	•	•	•
125mA	0125	250V		900	0.3	0.13	•	•	•	•
160mA	0160	250V		800	0.4	0.24	•	•	•	•
200mA	0200	250V		600	0.4	0.30	•	•	•	•
250mA	0250	250V		550	0.4	0.33	•	•	•	•
315mA	0315	250V		350	0.5	1.2	•	•	•	•
400mA	0400	250V	150A / 250VAC 50-60Hz cos φ = 1.0	300	0.5	2.4	•	•	•	•
500mA	0500	250V		250	0.6	4.4	•	•	•	•
630mA	0630	250V		200	0.6	7.5	•	•	•	•
800mA	0800	250V		180	0.7	11	•	•	•	•
1.00A	1100	250V		150	0.7	15	•	•	•	•
1.25A	1125	250V		135	0.8	22	•	•	•	•
1.60A	1160	250V		125	0.9	36	•	•	•	•
2.00A	1200	250V		110	0.9	16	•	•	•	•
2.50A	1250	250V		100	1.0	17	•	•	•	•
3.15A	1315	250V		100	1.1	30	•	•	•	•
4.00A	1400	250V		100	1.2	54	•	•	•	•
5.00A	1500	250V		100	1.3	130	•	•	•	•
6.30A	1630	250V		100	1.5	140	•	•	•	•

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		196		

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5x20mm / No. 196



Contact WICKMANN for individual I-t curves