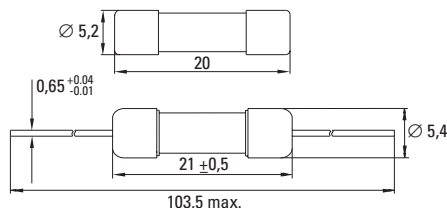


5x20mm / No. 194



Dimensions (mm)



IEC 60127-2/I, 250V, F

Time-Current Characteristic

Quick Acting (F)

Standard

IEC 60127-2/I
DIN 41660

Approvals

VDE: License No. 115270/97123
SEMKO: Certificate No. 9841086
cULus Recognized: File No. E 67006

Features

High breaking capacity
Direct solderable or plug-in versions
Internationally approved
Worldwide availability

WebLinks

Data Sheet

www.wickmann.com/products/194.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

FaxBack Document # 203

Specifications

Packaging

000: Bulk (1000 pcs.)
002: Bulk (10 pcs.)
040: Axial Leads - Bulk (1000 pcs.)
043: Axial Leads - Tape/Reel (1250 pcs.)

Materials

Tube: Ceramic
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

 , F, Current Rating, H, 250V, Approvals

Unit Weight

1.2g (approx.)
2.2g (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}
200mA ... 3.15A	> 1h	< 30 min	10ms ... 2s	3ms ... 300ms	<20ms
4.00A ... 6.30A	> 1h	< 30 min	10ms ... 3s	3ms ... 300ms	<20ms
8.00A ... 10.00A	> 30min	< 30 min	10ms ... 3s	3ms ... 300ms	<20ms

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} max. (A²s)	Approvals VDE SEMKO cULus
200mA ¹	0200	250V		3500	1.2	0.007	• •
250mA ¹	0250	250V		1000	0.8	0.013	• •
315mA ¹	0315	250V		950	0.8	0.015	• • •
400mA ¹	0400	250V		900	0.9	0.027	• • •
500mA ¹	0500	250V		850	1.0	0.041	• • •
630mA ¹	0630	250V		800	1.1	0.075	• • •
800mA ¹	0800	250V		750	1.3	0.12	• • •
1.00A	1100	250V		700	1.4	0.29	• • •
1.25A	1125	250V	1500A / 250VAC 50-60Hz cos φ = 0.7-0.8	650	1.6	0.7	• • •
1.60A	1160	250V		500	1.8	1.0	• • •
2.00A	1200	250V		400	2.0	1.8	• • •
2.50A	1250	250V		350	2.3	3.0	• • •
3.15A	1315	250V		300	2.8	7.8	• • •
4.00A	1400	250V		270	3.5	15	• • •
5.00A	1500	250V		250	3.7	35	• • •
6.30A ²	1630	250V		200	4.0	75	• • •
8.00A ^{1,2}	1800	250V		180	3.0	130	• • •
10.00A ^{1,2}	2100	250V		170	4.0	150	• • •

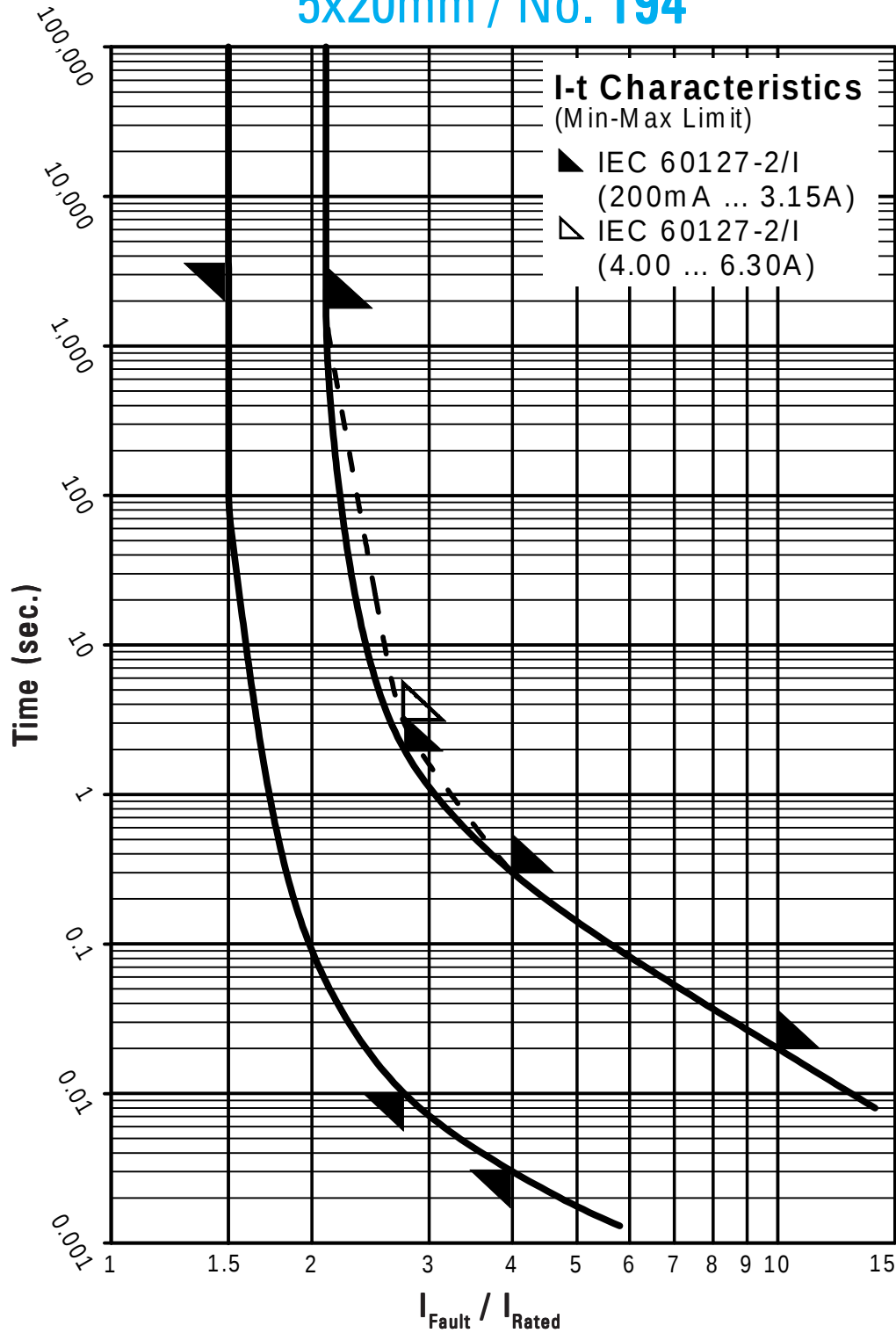
¹ Axial leads not available below 1A or above 8A.

² Not mentioned in the fuse standards.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		194		

5x20mm / No. 194



Contact WICKMANN for individual I-t curves