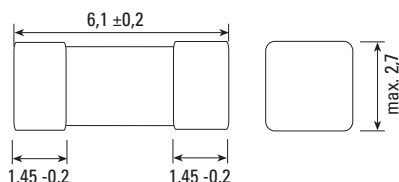


SMQ / No. 420



Dimensions (mm)



Pad Layout



UL 248-14, 125V, T

Time-Current Characteristic

Time Lag (T)

Standard

UL 248-14

CSA C22.2 No. 248.14

Approvals (pending)

cULus Recognized: File No. E 67006

Features

Flame resistant ceramic housing
For line or low voltage applications
Low voltage drop
Internationally approved

WebLinks

Data Sheet

www.wickmann.com/products/420.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

Page 70

www.wickmann.com/itcurves

Packaging

Page 118

www.wickmann.com/pack

FaxBack Document # 328

Specifications

Packaging

000: Blister Tape (1000 pcs.)

Materials

Housing: Ceramic

Element: Wire

Terminals: Copper alloy, tin plated

Operating Temperature

-40°C to +85°C (consider de-rating)

Climatic Category

-40°C/+85°C/21 days (IEC 60068-2-1...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 (IEC 60068-2-6)

10 - 60Hz at 0.75mm amplitude

60 - 2000Hz at 10g acceleration

Solderability

235°C, 3 sec. (IEC 60068-2-58)

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-58)

Minimum Cross Section, Copper

Conducting path - 0.1mm²

Thickness - 0.035mm

Mounting

Solder the fuse with the marked side facing up

Avoid circuit traces below the fuse

Marking

 T, Current Rating

Unit Weight

0.23g (approx.)

Limits for Pre-arcing Time

Rated Current	2.0 x I _{Rated}
500mA ... 5.00A	1s ... 60s



Permissible continuous operating current is ≤ 70% at ambient temperature of 23°C (73.4°F).

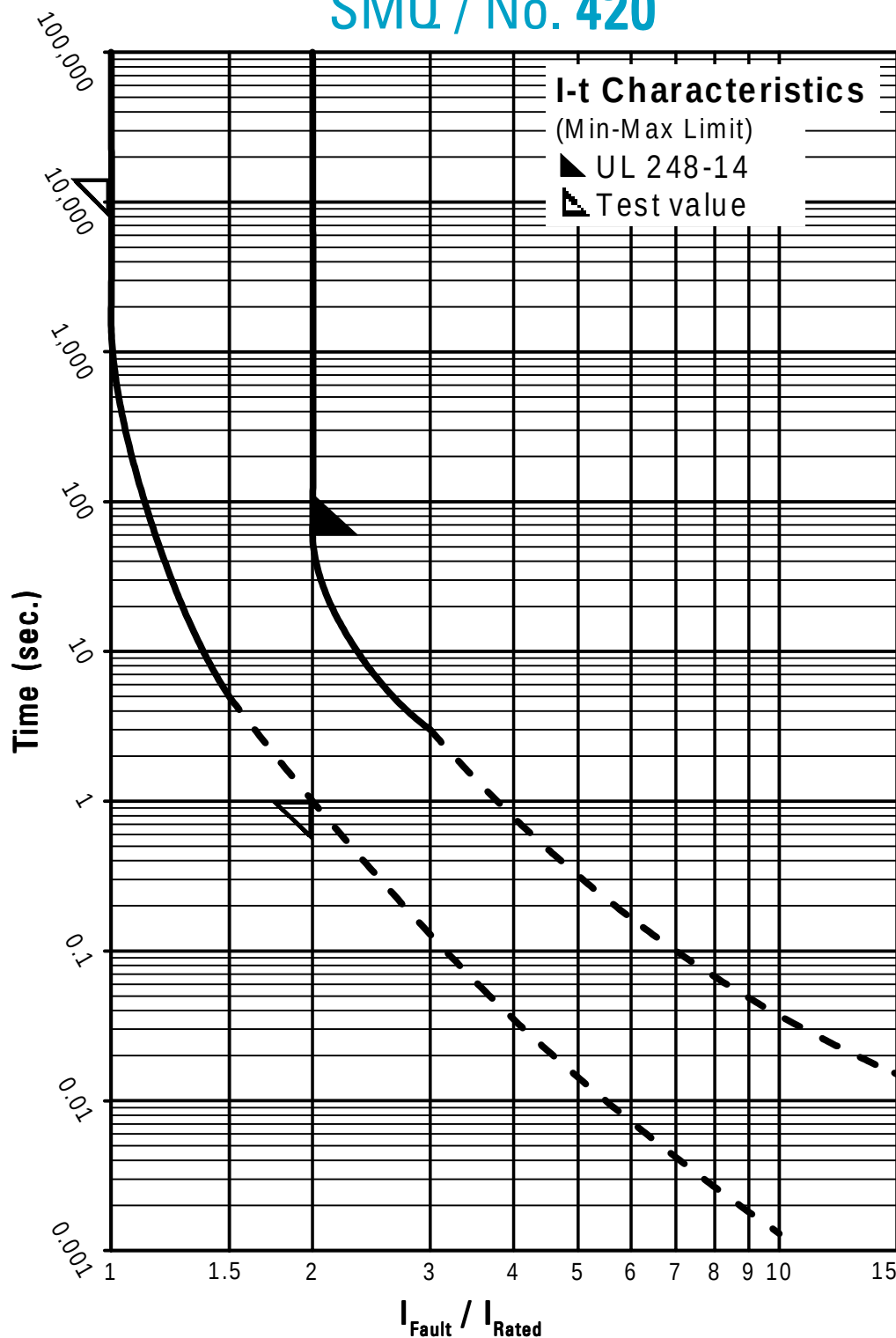
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I _{Rated}  typ. (mV)	Power Dissipation 1.0 x I _{Rated}  typ. (mW)	Melting Integral 10 x I _{Rated}  min. (A ² s)	Approvals cULus
500mA	0500	125V	50A / 125VAC/DC 50-60Hz cos φ = 1.0	450	250	0.22	P
750mA	0750	125V		370	305	0.81	P
1.00A	1100	125V		305	335	1.6	P
1.50A	1150	125V		255	420	3.3	P
2.00A	1200	125V		210	460	6.4	P
2.50A	1250	125V	35A / 125VAC/DC 50-60Hz cos φ = 1.0	185	510	14	P
3.00A	1300	125V		162	535	16	P
4.00A	1400	125V		139	610	24	P
5.00A	1500	125V		100	620	50	P

P Pending

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		420		

SMQ / No. 420



Contact WICKMANN for individual I-t curves