

SMQ / No. 420



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

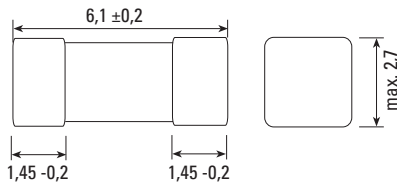
Marking

 T, Current Rating

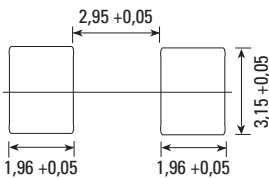
Unit Weight

0.23g (approx.)

Dimensions (mm)



Pad Layout






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).

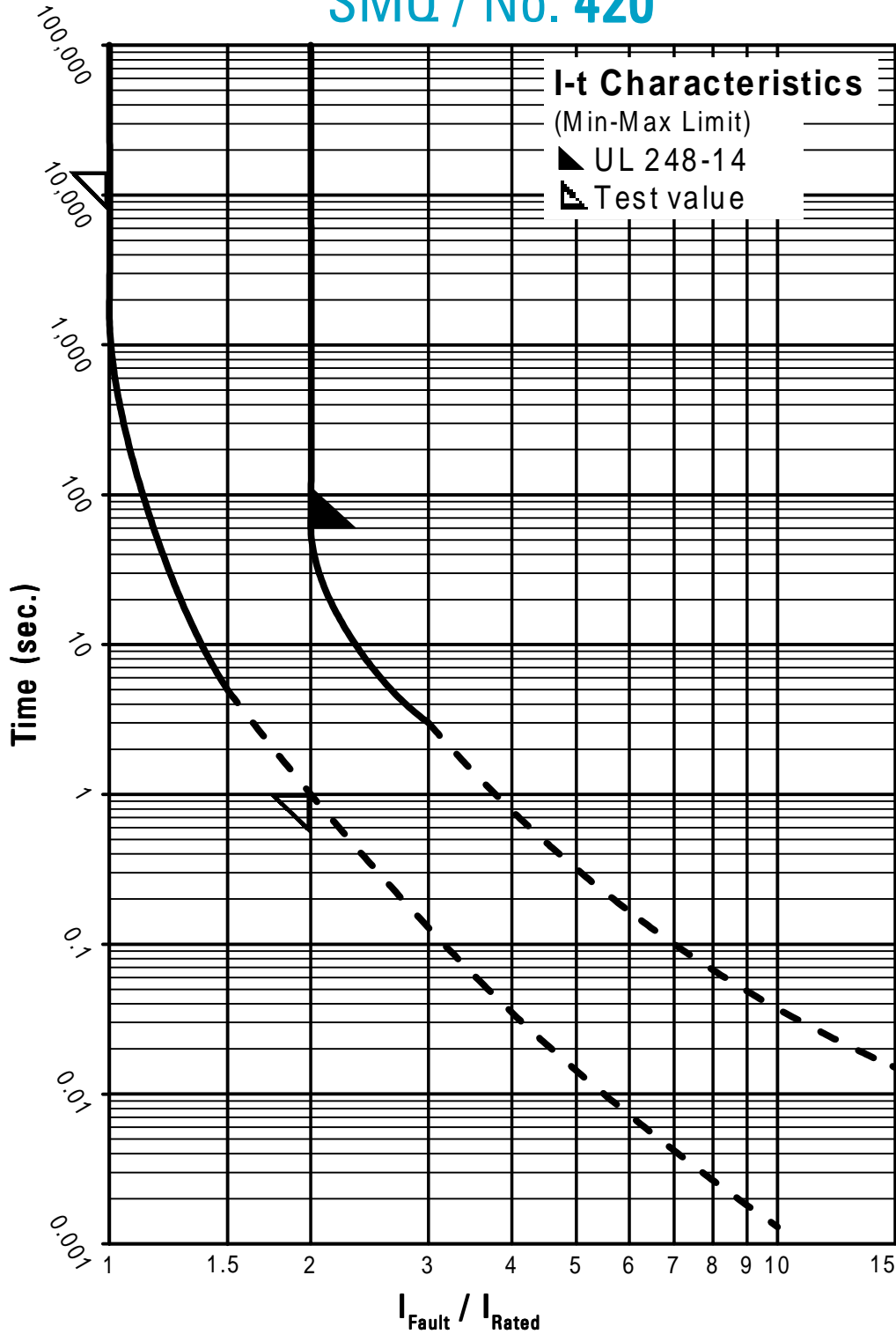
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I _{Rated}  typ. (mV)	Power Dissipation 1.0 x I _{Rated}  typ. (mW)	Melting Integral 10 x I _{Rated}  min. (A ² s)	Approvals cULus
500mA	0500	125V		450	250	0.22	P
750mA	0750	125V		370	305	0.81	P
1.00A	1100	125V	50A / 125VAC/DC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

P Pending

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		420		

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Contact WICKMANN for individual I-t curves