

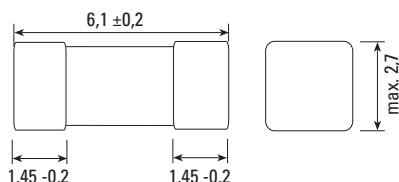
SMQ / No. 419

UL 248-14, 125V, F

Specifications

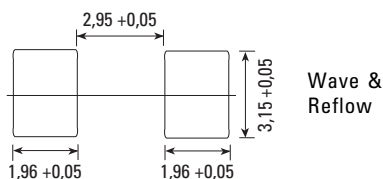


Dimensions (mm)



Pad Size 2410

Pad Layout

Wave &
Reflow

Limits for Pre-arcing Time

Rated Current	$2.0 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$
62mA ... 10.00A	< 60s	< 5s

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

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ typ. (mV)	Power Dissipation $1.0 \times I_{\text{Rated}}$ typ. (mW)	Melting Integral $10 \times I_{\text{Rated}}$ max. (A²s)	Melting Integral $10 \times I_{\text{Rated}}$ typ. (A²s)	Approvals cULus cURus
62mA	0062	125V		1600	85	0.00014	0.000095	•
125mA	0125	125V		1300	120	0.00085	0.00067	•
250mA	0250	125V		950	150	0.0065	0.0052	•
500mA	0500	125V		360	200	0.093	0.074	•
750mA	0750	125V		350	300	0.25	0.20	•
1.00A	1100	125V	50A / 125VAC/DC	210	230	0.50	0.42	•
1.50A	1150	125V	50-60Hz	250	500	1.1	0.95	•
2.00A	1200	125V	$\cos \phi = 1.0$	180	400	1.1	0.90	•
2.50A	1250	125V		220	550	1.2	0.95	•
3.00A	1300	125V		160	600	2.0	1.7	•
4.00A	1400	125V		140	670	4.3	3.42	•
5.00A	1500	125V		130	750	7.5	6.8	•
7.00A	1700	125V	35A / 125VAC	130	1200	13.6	11.6	•
8.00A	1800	125V	50-60Hz; $\cos \phi = 1.0$	110	1300	17.5	13.8	•
10.00A	2100	125V	100A / 125VDC	100	1400	27	23.5	•

Time-Current Characteristic

Quick Acting (F)

Standard

UL 248-14

CSA C22.2 No. 248.14

Approvals

cULus Listed: File No. E 67006

cULus Recognized: File No. E 67006

Features

Heat resistant ceramic housing

For line or low voltage applications

Low voltage drop

Internationally approved

WebLinks

Data Sheet - latest version

www.wickmannusa.com/products/419.pdf

Approval Certificates

www.wickmannusa.com/approvals

Time-Current Curve

www.wickmannusa.com/itcurves

Packaging

www.wickmannusa.com/pack

For Application Information refer to

www.wickmannusa.com/download/fuseology.pdf

Packaging Code and Info

000: Blister Tape/Ø180mm Reel (1000 pcs.)

010: Blister Tape (5000 pcs.) contact WICKMANN

Materials

Housing: Ceramic

Element: Wire

Terminals: Copper alloy, tin plated

Operating Temperature

-65°C to +125°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 $\leq 75\%$ 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

Path thickness - 0.035mm

Mounting

Avoid circuit traces below the fuse

Marking

F, Current Rating

Unit Weight

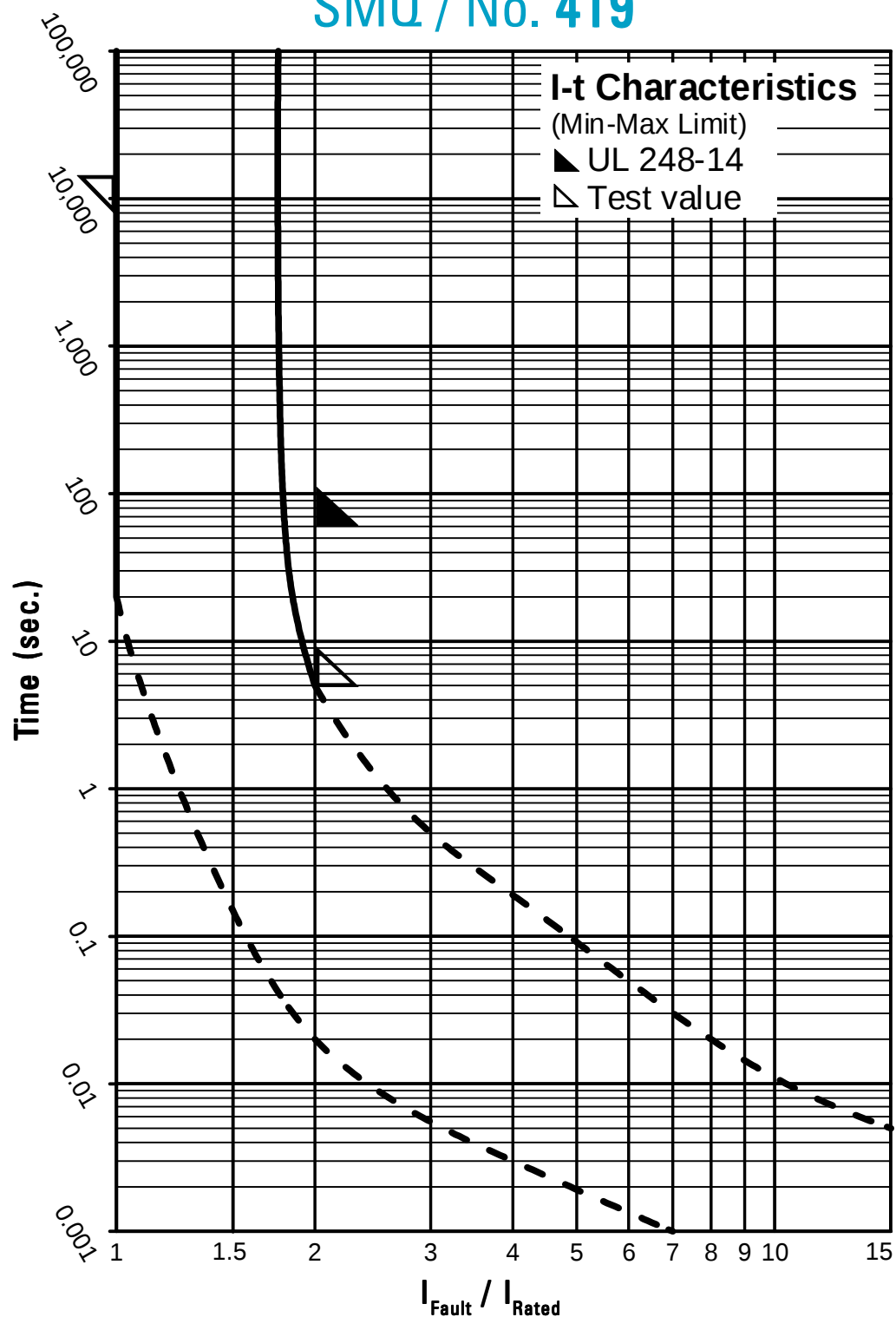
0.23g (approx.)

Order Information

Qty.	Order- Number	Series	Amp Code	Pack. Code
		419		

Specifications are subject to change without notice.

SMQ / No. 419



Contact WICKMANN for individual I-t curves