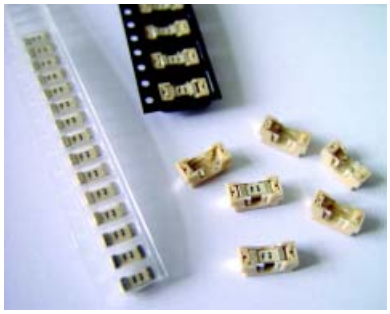
No. 424 / X-SMQ



UL 248-14, 125V, F

Holder with mounted fuse No. 419

Time-Current Characteristic
Quick acting (F)

Standard
UL 248-14
CSA C22.2 No. 248.14

Approvals
cULus Recognized

Features

Quicker and easier replacement of the fuse
For line or low voltage applications
Low voltage drop
Internationally approved
High pulse resistance
For reflow soldering

WebLinks

Further info see:
www.wickmann.com

Further application info see Fuseology:
www.wickmann.com/download/fuseology.pdf

Specifications

Packaging
010: Blister tape 38 cm reel (1500 pcs.)
tape width 16 mm

Materials of the Holder
Housing: Holder plastics UL94V0
Terminals: Copper alloy, Ni+Sn plated, lead free

Operating Temperature
-55°C to +125°C (consider de-rating)

Climatic Category
-55°C/+125°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)
280°C, 5 sec.

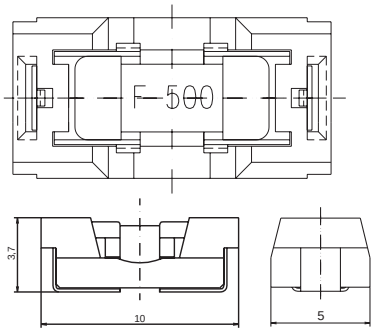
Minimum Cross Section, Copper
Conducting path - 0.1mm^2
Thickness - 0.035mm

Mounting
Avoid circuit traces below the fuse

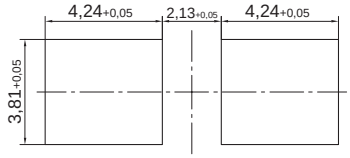
Marking on fuse
F, Current Rating

Unit Weight
0.4g (approx.)

Dimensions (mm)



Pad Layout



Limits for Pre-arcing Time	
Rated Current	2.0 x I_N
62mA ... 7.00A	< 5s

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_N typ. (mV)	Power Dissipation 1.0 x I_N typ. (mW)	Melting Integral 10 x I_N min. (A^2s)	Melting Integral 10 x I_N typ.	Approbationen cURus
62mA	0062	125V	50A/125VAC/DC 50-60Hz cosφ=1.0	1600	85	0.00014	0.000095	p
125mA	0125	125V		1300	120	0.00085	0.00067	p
250mA	0250	125V		950	150	0.0065	0.0052	p
500mA	0500	125V		360	200	0.093	0.074	p
750mA	0750	125V		350	300	0.25	0.20	p
1.00A	1100	125V		210	230	0.50	0.42	p
1.50A	1150	125V		250	500	1.10	0.95	p
2.00A	1200	125V		180	400	1.10	0.90	p
2.50A	1250	125V		220	550	1.20	0.95	p
3.00A	1300	125V		160	600	2.00	1.70	p
4.00A	1400	125V		140	670	4.30	3.42	p
5.00A	1500	125V		130	750	7.50	6.80	p
7.00A	1700	125V	35A/125VAC 100A / 125VDC 50-60Hz cos φ = 1.0	130	1200	13.60	11.60	p

p=pending

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		424		

Specifications are subject to change without notice

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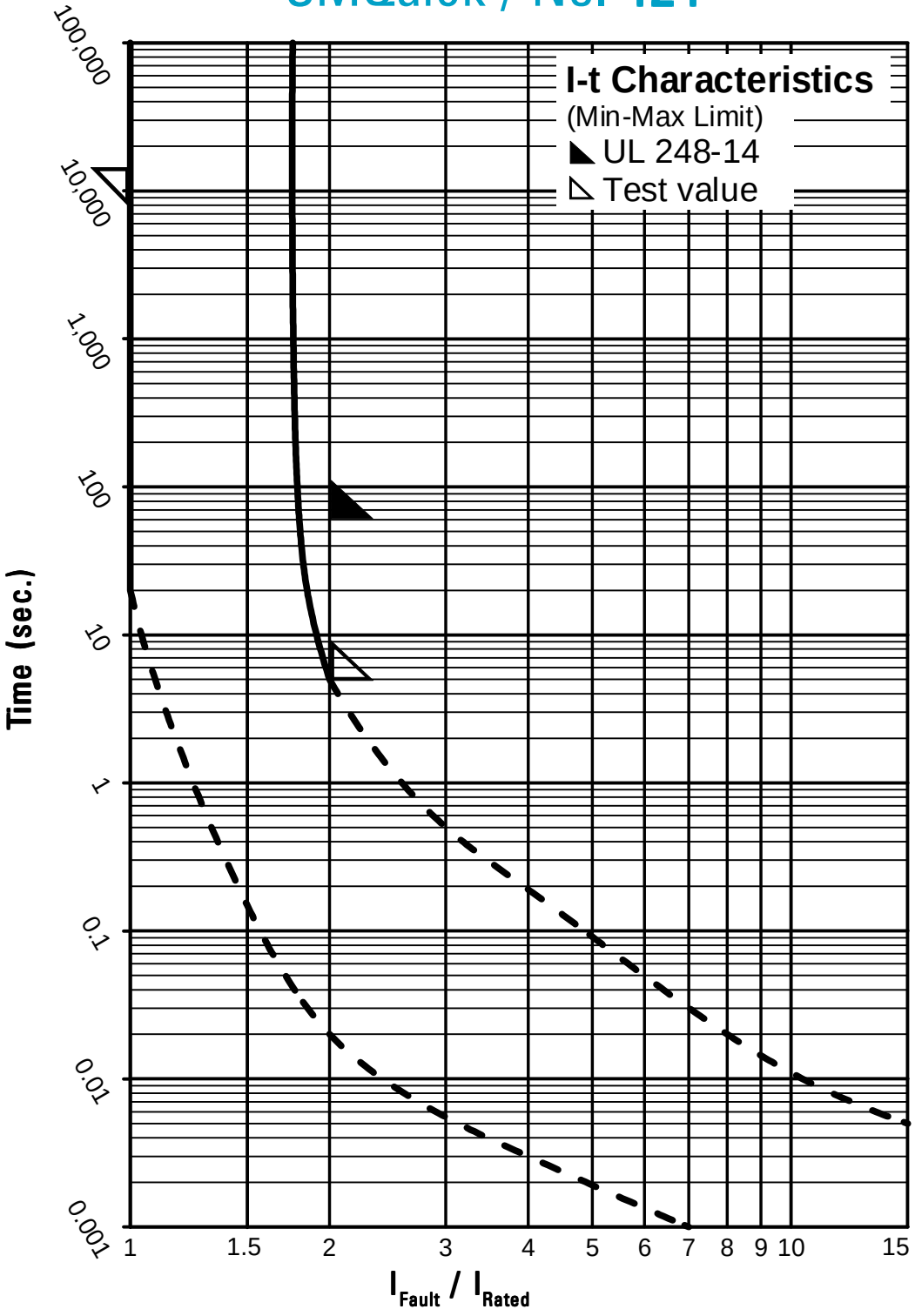
SMQuick / No. **424**



Contact WICKMANN for individual I-t curves