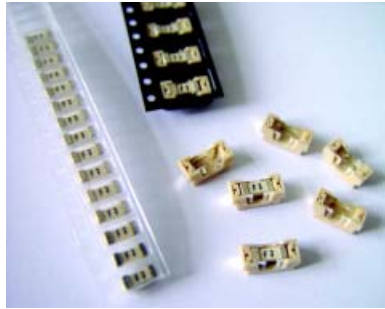


# No. 424 / X-SMQ

## UL 248-14, 125V, F Holder with mounted fuse No. 419

## 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<sup>2</sup>  
Thickness - 0.035mm

### Mounting

Avoid circuit traces below the fuse

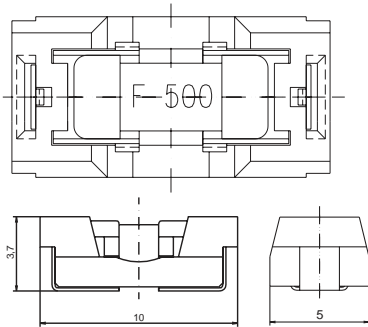
### Marking on fuse

F, Current Rating

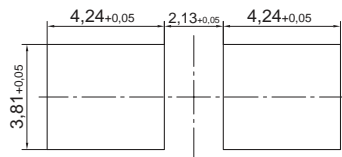
### Unit Weight

0.4g (approx.)


## Dimensions (mm)



## Pad Layout



## Limits for Pre-arcing Time

Rated Current	$2.0 \times I_N$ 
62mA ... 7.00A	< 5s

## 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](http://www.wickmann.com)

### Further application info see Fuseology:

[www.wickmann.com/download/fuseology.pdf](http://www.wickmann.com/download/fuseology.pdf)



## 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 $1.0 \times I_N$  typ. (mV)	Power Dissipation $1.0 \times I_N$  typ. (mW)	Melting Integral $10 \times I_N$  min. (A <sup>2</sup> s) typ.	Approbationen cURus
62mA	0062	125V		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	50A/125VAC/DC 50-60Hz cos φ = 1.0	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

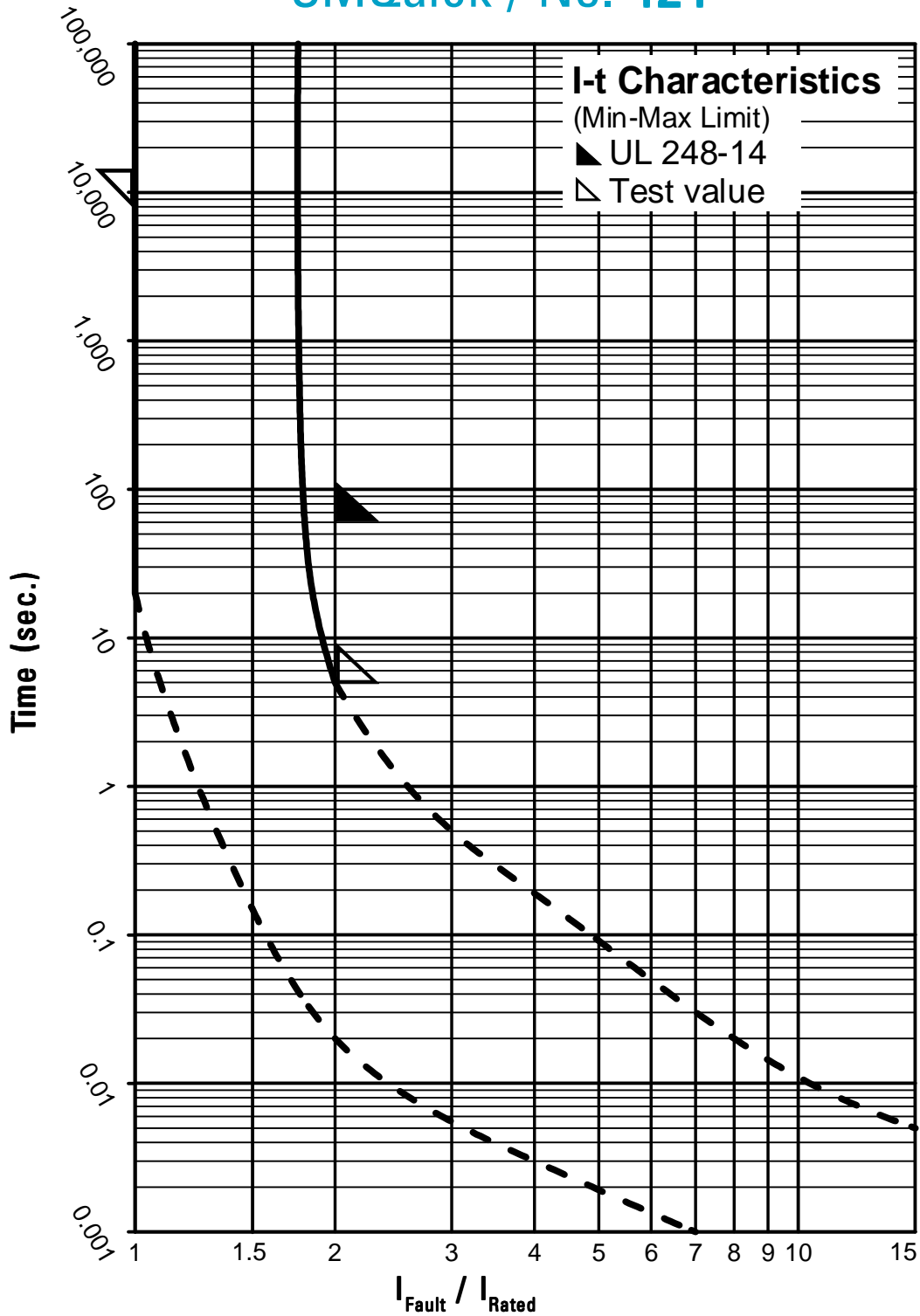
p=pending

## Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		424		

Specifications are subject to change without notice

## SMQuick / No. 424



Contact WICKMANN for individual I-t curves