



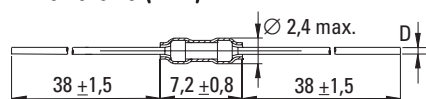
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UL 248-14, 125V, F

Specifications



Dimensions (mm)



Rated Current	D(mm)
63mA ... 10.00A	0.6 +0.03/-0.01
15.00A	0.813 ±0.05

Time-Current Characteristic

Quick Acting (F)

Standard

UL 248-14
CSA C22.2 No. 248.14

Approvals

UL Listed: File No. E 67006
cUL Listed: File No. E 67006
UL Recognized: File No. E 67006 (10A)
CSA Certified: File No. 51378 (10A)

Features

Reduced PCB space requirements
Auto-insertable from tape
Internationally approved
Low internal resistance
Vibration resistant

WebLinks

Data Sheet

www.wickmann.com/products/275.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

www.wickmann.com/itcurves

Packaging

www.wickmann.com/pack

FaxBack Document # 305

Packaging

000: Tape/Reel (2500 pcs.)
005: Bulk (100 pcs.)

Materials

Body: Ceramic tube
Heat shrink tube
Plug-on Caps: Copper alloy, tin plated

Operating Temperature

-25°C to +70°C (consider de-rating)

Climatic Category

-25°C/+70°C/21 days (EN 60068-1..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 (EN 60068-6)
10 - 60Hz at 0.75mm amplitude
60 - 2000Hz at 10g acceleration

Solderability

260°C, ≤ 3 sec. (Wave)
350°C, ≤ 1 sec. (Hand)

Soldering Heat Resistance

260°C, 5 sec. (IEC 60068-2-20)

Marking

W, Current Rating

Unit Weight

0.38g (approx.)

Limits for Pre-arcing Time

Rated Current	$2.0 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$
63mA ... 10.00A	< 60s	< 5s
15.00A	< 60s	< 10s



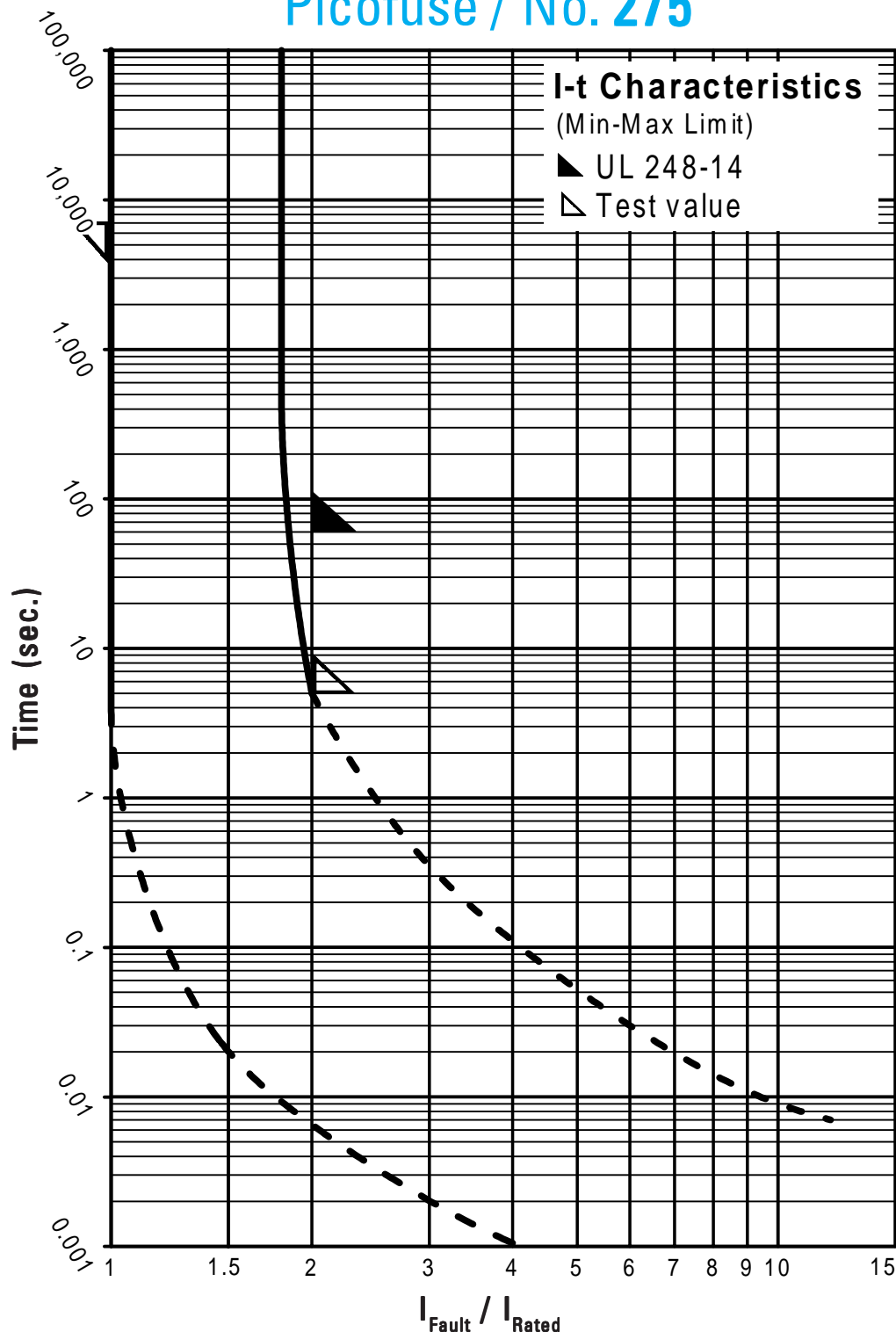
Permissible continuous operating current is ≤ 70% at ambient temperature of 23°C (73.4°F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ max. (mV)	Power Dissipation $1.0 \times I_{\text{Rated}}$ max. (mW)	Melting Integral $10 \times I_{\text{Rated}}$ max. (A²s)	Approvals
							UL cUL UR CSA
63mA	0063	125V		2000	154	0.00015	• •
125mA	0125	125V		1350	206	0.00094	• •
250mA	0250	125V		1000	275	0.007	• •
375mA	0375	125V		1000	375	0.022	• •
500mA	0500	125V		280	550	0.04	• •
750mA	0750	125V		260	195	0.10	• •
1.00A	1100	125V		250	303	0.094	• •
1.50A	1150	125V	300A/125VDC	240	360	0.30	• •
2.00A	1200	125V	50A/125VAC	230	550	0.50	• •
2.50A	1250	125V	50-60Hz	225	688	0.82	• •
3.00A	1300	125V	cos φ = 1.0	220	660	1.5	• •
3.50A	1350	125V		215	755	1.9	• •
4.00A	1400	125V		210	930	3.2	• •
5.00A	1500	125V		180	1238	4.1	• •
7.00A	1700	125V		150	1050	11	• •
10.00A	2100	125V	50A/125VAC/DC	125	1250	31	• •
15.00A	2150	125V	300A/32VDC	100	1500	140	

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		275		

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Contact WICKMANN for individual I-t curves