



CIRCUIT
PROTECTION
SOLUTIONS



Littelfuse Technologies: Power Thyristors • Protection Arrays • Fuses • PTCs • Varistors • TVS Diodes • GDTs • ESD Suppressors • SIDACTor Devices

874, 875, 876 and 877 Series Real Single Pigtail 3.6 x 10mm Fuse

New Product Introduction



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Market Background

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- The addition of 874, 875, 876 and 877 series to the 3.6 x 10mm product family has further propelled Littelfuse forward as a leader in the circuit protection industry.
- The new 3.6 X 10 mm series offer compact footprint by doing away with conventional over-capping
- They enhanced our existing 3.6 x 10mm market positioning. They are complementing to all other Littelfuse cartridge products, thus providing a wider spectrum of circuit protection choices.



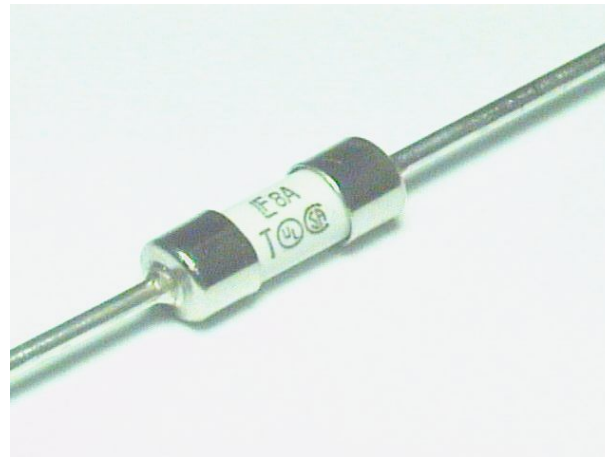
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Product Introduction

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The 874, 875, 876 and 877 Series are the first 3.6 x 10mm single pigtail fuses which further optimize the compact footprint.





Product Introduction

These new 3.6 x 10mm product families are designed in accordance to the following Industrial standards :

1. UL/CSA 248 Standard

- a. 874 series , Fast Acting type
- b. 875 series , Slo-Blo[®] type

2. IEC 60127-3 Standard

- a. 876 series , Fast Acting type
- b. 877 series , Slo-Blo[®] type



874 series, Fast Acting Type (UL Std) Electrical Characteristics



■ Ampere Ratings available :

Part No.	Ratings
874.100XP	100mA
874.125XP	125mA
874.200XP	200mA
874.250XP	250mA
874.300XP	300mA
874.400XP	400mA
874.500XP	500mA
874.600XP	600mA
874.750XP	750mA
874.800XP	800mA
874001.XP	1A
87401.5XP	1.5A
87401.6XP	1.6A

Part No.	Ratings
874002.XP	2A
87402.5XP	2.5A
8743.15XP	3.15A
874004.XP	4A
87404.5XP	4.5A
874005.XP	5A
874006.XP	6A
87406.3XP	6.3A
87406.5XP	6.5A
874007.XP	7A
874008.XP	8A
874010.XP	10A

Voltage Rating : 250VAC

Breaking Capacity

All Ampere Ratings : 50A @ 250VAC

Opening Characteristics :

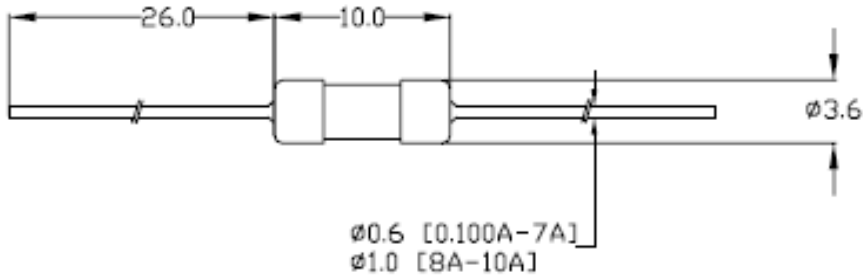
% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	5 seconds, Maximum



874 series, Fast Acting Type (UL Std) Mechanical Dimensions / Certification



- Mechanical Dimensions :**



- Certification :**

Agency	Agency File Number	Ampere Range
cUL _{us}	E10480	0.100A - 10 A

875 series, Slo-Blo® Type (UL Std) Electrical Characteristics



- Ampere Ratings available :**

Part No.	Ratings
875.100XP	100mA
875.125XP	125mA
875.200XP	200mA
875.250XP	250mA
875.300XP	300mA
875.400XP	400mA
875.500XP	500mA
875.600XP	600mA
875.800XP	800mA
875001.XP	1A
87501.5XP	1.5A

Part No.	Ratings
87501.6XP	1.6A
875002.XP	2A
87502.5XP	2.5A
875003.XP	3A
875004.XP	4A
875005.XP	5A
875006.XP	6A
875007.XP	7A
875008.XP	8A
875010.XP	10A

Voltage Rating : 250VAC

Breaking Capacity

All Ampere Ratings : 50A @ 250VAC

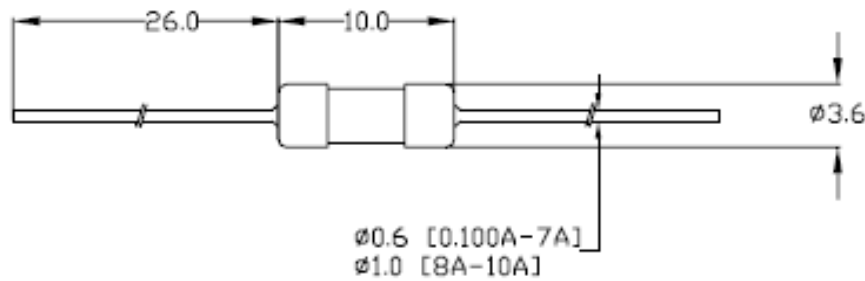
Opening Characteristics :

% of Ampere Rating	Opening Time
100%	4 hours, Minimum
200%	60 seconds, Maximum

875 series, Slo-Blo® Type (UL Std) Mechanical Dimensions / Certification



- Mechanical Dimensions :**



- Certification :**

Agency	Agency File Number	Ampere Range
cUL _{us}	E10480	0.100A - 10 A

876 series, Fast Acting Type (IEC Std) Electrical Characteristics



- Ampere Ratings available :

Part No.	Ratings	Breaking Capacity
876.125XP	125mA	35A @ 250VAC
876.160XP	160mA	35A @ 250VAC
876.250XP	250mA	35A @ 250VAC
876.630XP	630mA	35A @ 250VAC
87601.6XP	1.6A	35A @ 250VAC
876002.XP	2A	35A @ 250VAC
876004.XP	4A	40A @ 250VAC
876005.XP	5A	50A @ 250VAC

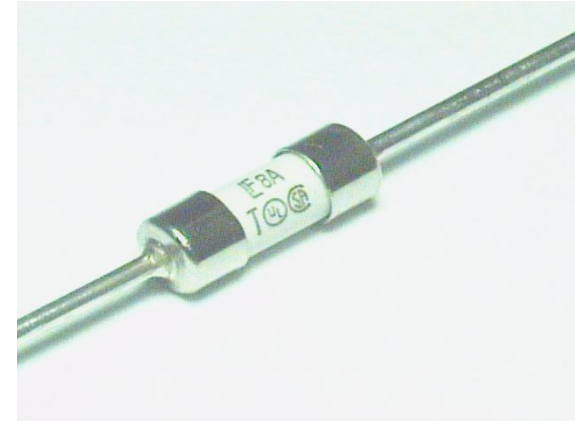
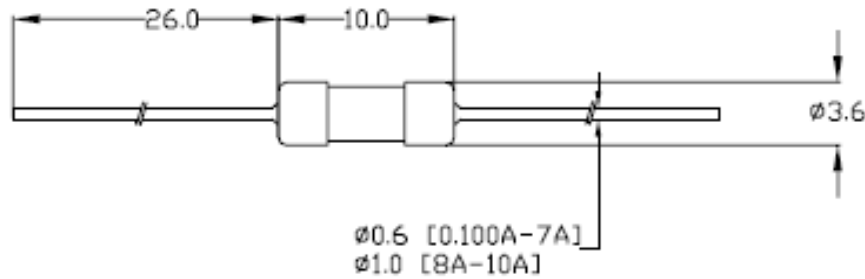
Opening Characteristics :

% of Ampere Rating	Opening Time
150%	60 minutes, Minimum
210%	30 minutes, Maximum
275%	10ms Min ; 3 sec Max
400%	3ms Min ; 300ms Max
1000%	20ms Max

876 series, Fast Acting Type (IEC Std) Mechanical Dimensions / Certifications



- **Mechanical Dimensions :**



- **Certifications :**

Agency	Agency File Number	Ampere Range
VDE	40022494	0.125 – 0.630A 1.6 – 5A
cRU [®] US	E10480	0.125 – 5A

877 series, Slo-Blo® Type (IEC Std) Electrical Characteristics



■ Ampere Ratings available :

Part No.	Ratings	Breaking Capacity
877002.XP	2A	35A @ 250VAC
8773.15XP	3.15A	35A @ 250VAC
877004.XP	4A	40A @ 250VAC
87706.3XP	6.3A	50A @ 250VAC

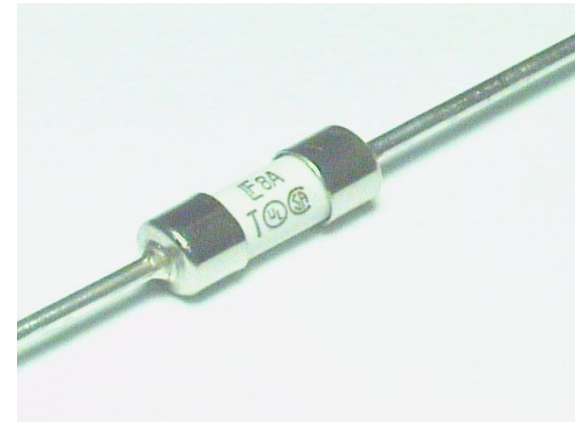
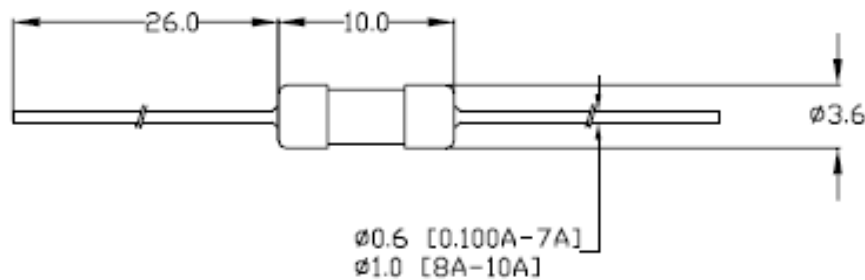
Opening Characteristics :

% of Ampere Rating	Opening Time
150%	60 minutes, Minimum
210%	2 minutes, Maximum
275%	400ms Min ; 10sec Max
400%	150ms Min ; 3sec Max
1000%	20ms Min ; 150ms Max



877 series, Slo-Blo[®] Type (IEC Std) Mechanical Dimensions / Certifications



- Mechanical Dimensions :**




- Certifications :**

Agency	Agency File Number	Ampere Range
	40023242	2A – 6.3A
	E10480	2A – 6.3A

Features & Benefits

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- They are all RoHS Compliant/Pb-free  
- Designed either in accordance to UL/CSA 248 standard or IEC 60127-3 standard
- As single pigtail 3.6 x 10mm fuse, it further optimize the compact footprint compared to other offerings in the market
- It offers greater flexibility in circuit protection design for space optimization
- They are available in a wide range of ampere ratings



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Part Numbering

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Finished Goods Item Number Structure

Mandatory Fields									If Applicable						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Series				Rating/Seq				Inner Pack Qty.	Packaging Type		Suffix (Free Form)				
Example				Example				Codes		Codes		Example			
0207				0001				X=1 M=1000		A= Ammo Packed		P=Ⓢ			
0230				01.5				V=5 D=1500		B= Bubble PackedⓈ		T1= T1 Taping Spec.			
0248				0109				T=10 P=2000		C= Chip Packed		T2= T2 Taping Spec.			
0313				001.				S=20 E=2500		R= Reeled		T3= T3 Taping Spec.			
2001				.125				L=50 W=3000		X= Filler Ⓢ		T4= T4 Taping Spec.			
FLNR				030.				H=100 Y=4000		P= Retail Pack		T5= T5 Taping Spec.			
LNRK				6000				F=200 N=5000				T6= T6 Taping Spec.			
LNRK				10KA				G=250 K=10000				XXX= Specials			
								U=500 J=12000							
								Z= Misc.							

Examples : 0874001.MXP (for 874 series, 1A, Single Pigtail Fuse)



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Applications

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- Power Supplies
- Adaptors



3.6 x 10mm Series – Team Members

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- Product Manager – Daniel Wang (Dwang@littelfuse.com)
 - Contact for availability, initial pricing
 - Samples

- Associate Product Line Manager - Henry Sim (Hsim@littelfuse.com)
 - on c.c. copy for samples

- Product Engineer – Conrado De Leon (CDeLeon@littelfuse.com)



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