# **Special Application Fuses** 481 Series Alarm Indicating Fuse

# 481 Series Alarm Indicating Fuse









#### **Agency Approvals**

Agency	Agency File Number	
<b>7</b> L	E71611	0.180A - 20A
<b>(P</b> )	29862	0.180A - 20A

#### **Electrical Characteristics**

% of Ampere Rating	Opening Time
100%	10 Minutes, Minimum
150%	5 Minutes, Maximum

## **Description**

481 Series alarm indicating fuses are designed to reduce down time by immediately pinpointing the blown (open) circuit while triggering an LED or audio alarm. This item requires 482 Series mating fuse holder.

All ranges of 481 Series fuses are available as our original design, and the 2-20 amp range is now available as a RoHS compliant option (use the "P" designator when ordering). See the part numbering section of this data sheet for related ordering instructions.

#### **Features**

- Color-coded indicator flags indicate ampere rating.
- Clear plastic lens option available for additional safety.
- RoHS compliant
- Body is constructed of black plolyphenylene sulfide with UL 94 V-0 flammability rating.
- Contacts made of bright alloy-plated beryillium copper.

# **Applications**

Ideal for telecommunications and control panel circuits

#### **Electrical Characteristics**

Ampere	Amp	Max Voltage	Interrupting	Body	Nominal	Nominal Melting		ency ovals
Rating (A)	Code	Rating (V)	Rating	Color Code	Cold Resistance (Ohms)	I <sup>2</sup> t (A <sup>2</sup> Sec.)	<b>47</b> .	<b>(F</b> )
0.180*	.180			Yellow	6.25	0.0400	X	X
0.200*	.200			Red/Black	5.70	0.0576	X	X
0.250*	.250		40A @ 175 VDC	Violet	4.20	0.0625	X	X
0.375*	.375			Gray/White	2.00	0.230	X	X
0.500*	.500			Red	1.52	0.490	X	X
0.650*	.650			Black	1.25	0.723	X	X
0.750*	.750		450A @ 60 VDC	Brown	.980	1.32	X	X
1.00*	001.			Gray	.665	1.82	X	X
1.33*	1.33		300A @ 125 VAC	White	.480	3.13	X	X
1.50*	01.5	125 VAC	(up to 20A)	Yellow/White	.385	2.55	X	X
2.00	002.	&		Orange	.120	10.2	X	X
2.50	02.5	125 VDC	300A @ 125 VDC	Orange/White	0.093	16.0	X	X
3.00	003.		(up to 15A)	Blue	.0670	25.0	X	X
3.50	03.5			Blue/White	.0415	10.5	X	X
4.00	004.		200A @ 125 VDC	Brown/White	.0350	36.0	X	X
5.00	005.		(up to 20A)	Green	.0285	64.0	X	X
7.50	07.5			White/Black	.0113	121.0	X	X
10.0	010.		460A @ 60 VDC	White/Red	.00840	380.3	Х	Х
12.0	012.		(up to 15A)	Yellow/Green	.00660	571.2	Х	Х
15.0	015.			Blue/Red	.00580	900.0	X	Х
20.0**	020.			White/Green	.00394	1024.0	×	×

<sup>\* 0.180</sup>A thru 1.5A items are not available for sale as a RoHS compliant "P" option

<sup>\*\*20</sup>A Fuseholder must be used. Fuse is keyed to prevent insertion in lower rated holders. 20A Fuseholder is designed to accept all ratings up to 20 amperes.

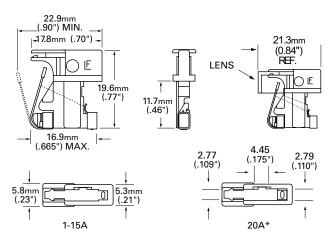


## **Product Characteristics**

	Body: Polyphenylene Sulfide (UL 94VO)	
Material	Terminations: Beryllium Copper/Tin Plated	
	Optional Lens: Nylon	
Vibration	MIL-STD-202 Method 201	

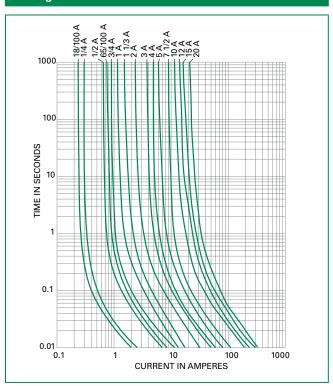
Operating Temperature	– 55°C to 125°C.
Thermal Shock	Withstands 5 cycles of – 55°C to 125°C
Insulation Resistance (After Opening)	Greater than 10,000 ohms.

## **Dimensions**

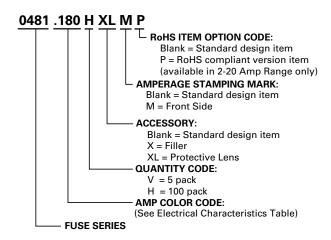


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## **Average Time Current Curves**



## **Part Numbering System**



## **Additional Information**







**Samples** 

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