

RoHS 481 Series Alarm Indicating Fuse

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.

Agency Approvals

Agency	Agency File Number
	E71611
	LR 29862

Electrical Characteristics

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

Electrical Characteristics

Ampere Rating (A)	Amp Code	Max Voltage Rating (V)	Interrupting Rating	Body Color Code	Nominal Cold Resistance (Ohms)	Nominal Melting I't (A ² Sec.)	Agency Approvals	
0.180*	.180	125 VAC & 125 VDC	450A @ 60 VDC	Yellow	6.25	0.00808	x	x
0.200*	.200			Red/Black	5.70	0.0140	x	x
0.250*	.250			Violet	4.20	0.0356	x	x
0.375*	.375			Gray/White	2.00	0.028	x	x
0.500*	.500		300A @ 125 VAC (up to 20A)	Red	1.52	0.139	x	x
0.650*	.650			Black	1.25	0.278	x	x
0.750*	.750			Brown	.980	0.363	x	x
1.00*	.001			Gray	.665	0.733	x	x
1.33*	.133		300A @ 125 VDC (up to 15A)	White	.480	1.58	x	x
1.50*	.015			Yellow/White	.385	2.55	x	x
2.00	.002			Orange	.120	5.29	x	x
2.50	.025			Orange/White	.0904	9.46	x	x
3.00	.003		200A @ 125 VDC (up to 20A)	Blue	.0670	11.2	x	x
3.50	.035			Blue/White	.0415	10.5	x	x
4.00	.004			Brown/White	.0350	15.4	x	x
5.00	.005			Green	.0285	26.2	x	x
7.50	.075			Black/White	.0113	42.8	x	x
10.0	.010			Red/White	.00840	115.3	x	x
12.0	.012			Green/Yellow	.00660	222.5	x	x
15.0	.015			Red/Blue	.00580	294.22	x	x
20.0**	.020			Green/White	.00394	570.0	x	x

* 0.180A thru 1.5A items are not available for sale as a RoHS compliant "P" option

**20A Fuseholder must be used. Fuse is keyed to prevent insertion in lower rated holders.

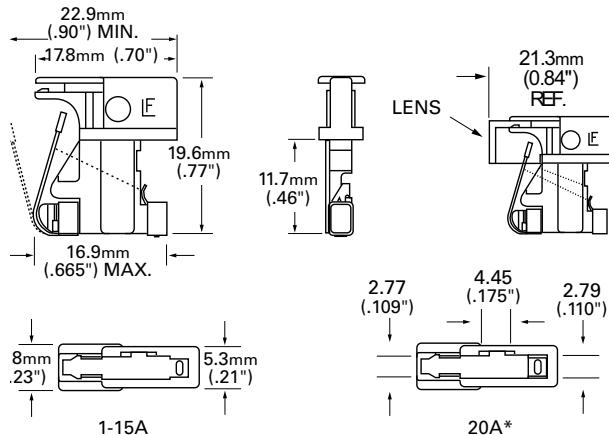
20A Fuseholder is designed to accept all ratings up to 20 amperes.

Product Characteristics

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

Operating Temperature	-55°C to 90°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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20A Fuseholder is designed to accept all ratings up to 20 amperes.

Part Numbering System

0481 .180 H XL P

RoHS ITEM OPTION CODE:
Blank = Standard design item
P = RoHS compliant version item (available in 2-20 amp range only)

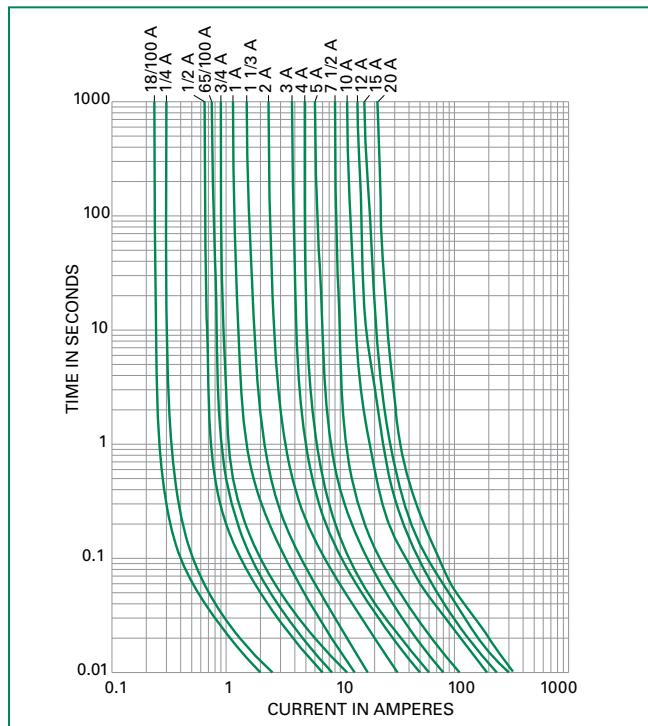
OPTION CODE:
Blank = Standard
XL = Protective Lens

QUANTITY CODE:
V = 5 pack
H = 100 pack

AMP CODE
(See Electrical Characteristics Table)

SERIES

Average Time Current Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

[481010](#) [481.750](#) [0481.500](#) [0481001](#). [0481003](#). [0481010](#). [0481015](#). [048101.5](#) [481002](#) [481004](#) [48107.5](#) [48103.5](#)
[481.250](#)