

JCASE® Series

Cartridge Fuses – Rated 32V



Description

The JCASE™ is a cartridge style fuse with female terminal design, providing both increased time delay and low voltage drop to protect high current circuits and handle inrush currents.

Features & Benefits

- Semitransparent cover makes it easier to see when fuse blows
- High-contrast amperage stamp on the top of the housing aids identification
- Color coding indicates amperage rating for each fuse
- Comply with ISO 8820-4
- SHUNT version available

Applications

- Cars / SUVs
- Buses
- Trucks
- Watercraft as approved by Littelfuse®
- Offroad vehicles

Agency Approvals

Agency	Agency File Number	Current Rating (A)
	20130624-E71611	20 - 60

[See Disclaimer Notice](#)

Specifications

Voltage Rating:	32 V DC
Interrupting Rating:	1000 A @ 32 V DC
Recommended Environmental Temperature:	–40 °C to +125 °C
Housing Material:	PA66-GF13 (UL 94 Flammability rating – HB)
Cover Material:	PC (UL 94 Flammability rating – HB)
Typical Weight per Fuse:	3.8 g
Fuse Insertion Force:	53 N Max. (12 lb.)
Extraction Force:	9 N Min (2 lb.)
Comply With:	SAE 2741, ISO 8820-4

Additional Information



Resources



Samples

Ordering Information

Part Number	Current Rating (A)	Package Size
0495xxx.ZXA	20 – 60	2200
0495xxx.UXA	20 – 60	500
0495xxx.TXA	20 – 60	10
0495900.Z	SHUNT	2200
0495900.X	SHUNT	1

JCASE® Series

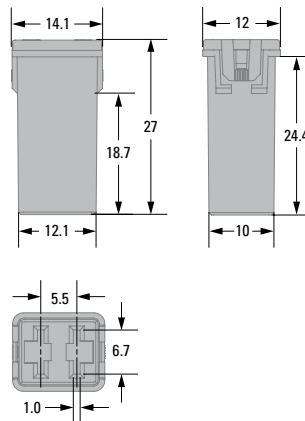
Cartridge Fuses – Rated 32V

Ratings

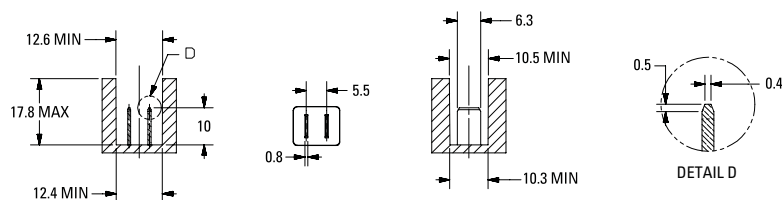
Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
0495020_	20		4	106	4.29	1700
0495025_	25		4	101	3.28	3200
0495030_	30		4	91	2.12	1500
0495040_	40		4	87	1.30	3700
0495050_	50		6	88	0.99	8800
0495060_	60		6	87	0.76	19 500
0495900_	SHUNT		-	-	-	-

Dimensions

Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



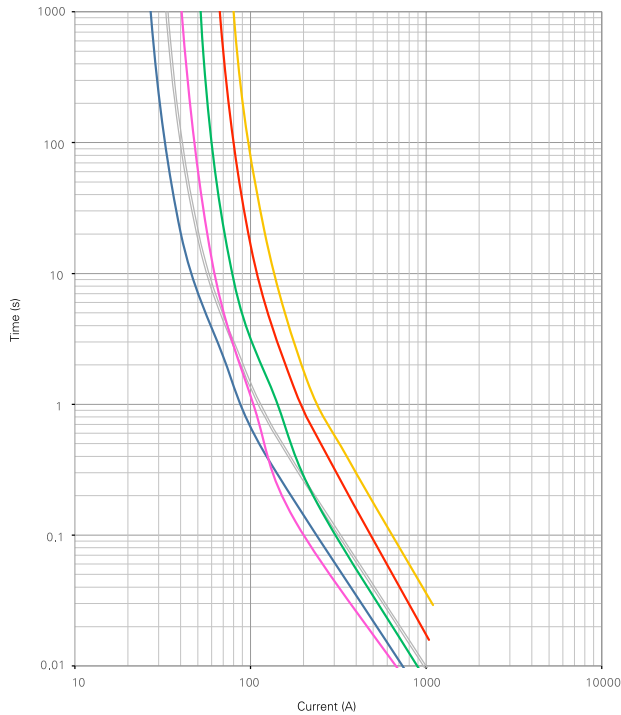
RECOMMENDED MATING CAVITY



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Time-Current Characteristic



% of Rating	Opening Time Min. / Max. (s)
110	360 000 / -
135	60 / 1800
200	4 / 60
350	0.2 / 7
600	0.04 / 1

— 20 A
— 25 A
— 30 A
— 40 A
— 50 A
— 60 A

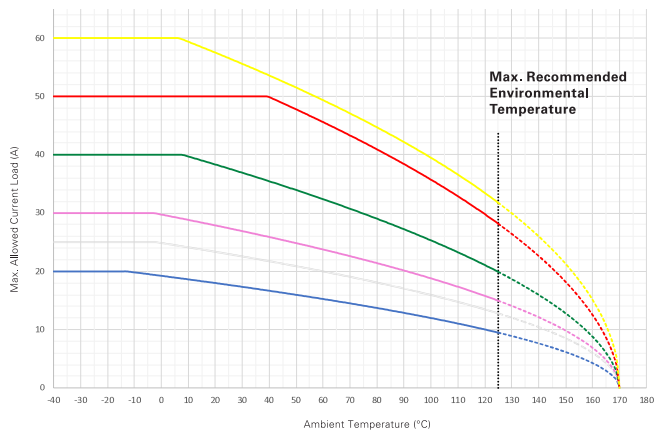
Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

Typical Derating Curves

Temperature security margin is 20%.

Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-4

Please contact Littelfuse® for Details Regarding Derating Test Set Up.



	Max. allowed current load (A) at ambient temperature based on typical derating						
	-40 °C	0 °C	20 °C	65 °C	85 °C	110 °C	125 °C
20 A	20	20	20	17	15	12	10
25 A	25	25	25	20	18	15	13
30 A	30	30	30	28	25	21	18
40 A	40	40	40	37	33	27	23
50 A	50	50	49	40	36	29	25
60 A	60	60	60	51	46	38	33

— 20 A
— 25 A
— 30 A
— 40 A
— 50 A
— 60 A

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