

0299025.ZXT Datasheet



DiGi Electronics Part Number	0299025.ZXT-DG
Manufacturer	Littelfuse Inc.
Manufacturer Product Number	0299025.ZXT
Description	FUSE AUTO 25A 32VDC BLADE MAX
Detailed Description	25 A AC 32 V DC Fuse Automotive Requires Holder Blade, Max

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Purchase and inquiry

Manufacturer Product Number:

0299025.ZXT

Series:

MAXI®

Mounting Type:

Requires Holder

Current Rating (Amps):

25 A

Response Time:

-

Breaking Capacity @ Rated Voltage:

1kA

Approval Agency:

UR

Color:

Gray

DC Cold Resistance:

2.39 Ohms

Manufacturer:

Littelfuse Inc.

Product Status:

Active

Fuse Type:

Automotive

Voltage Rating - DC:

32 V

Package / Case:

Blade, Max

Melting I²t:

2087

Operating Temperature:

-40°C ~ 125°C

Size / Dimension:

1.150" L x 0.350" W x 0.850" H (29.21mm x 8.89mm x 21.59mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.10.0040

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99

MAXI Series

Blade Fuses – Rated 32V



Description

The MAXI™ Slo-Blo® fuses employ diffusion pill technology. This allows the blade fuses to provide predictable time-delay performance and low heat dissipation.

Features & Benefits

- Color coding shows the amperage rating for each fuse
- See-through housing makes it easy to check whether a fuse has blown
- Checkpoints on top make it possible to measure resistance without removing the fuse
- Comply with ISO 8820-3:2002
- High-contrast amperage stamp on the top of the housing aids identification
- Silver plating allows up to 150 °C at the terminal interface
- Simple to install and remove

Applications

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

Agency Approvals

Agency	Agency File Number	Current Rating (A)
	UL-US-L71611-2104-11106991-2	20 - 80
	UL-CA-2331871-0	20 - 80

[See Disclaimer Notice](#)

Specifications

Voltage Rating:	32 V DC
Interrupting Rating:	1000 A @ 32 V DC
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Silver-plated or Tin-plated zinc alloy *
Housing Material:	PA66 (UL 94 Flammability rating of V-2)
Typical Weight per Fuse:	5.7 g
Comply With:	ISO 8820-3:2002, SAE J 1888, SAE 2576

*Note: Silver plating allows up to 150 °C at the terminal interface.

Additional Information



Resources



Samples

Ordering Information

Part Number	Plating	Current Rating (A)	Package Size
0299xxx.ZXNV	Ag	20 – 80	1200
0299xxx.L	Ag	20 – 80	50
0299xxx.TXN	Ag	20 – 80	10
0299xxx.ZXT	Sn	20 – 80	1200

MAXI Series

Blade Fuses – Rated 32V

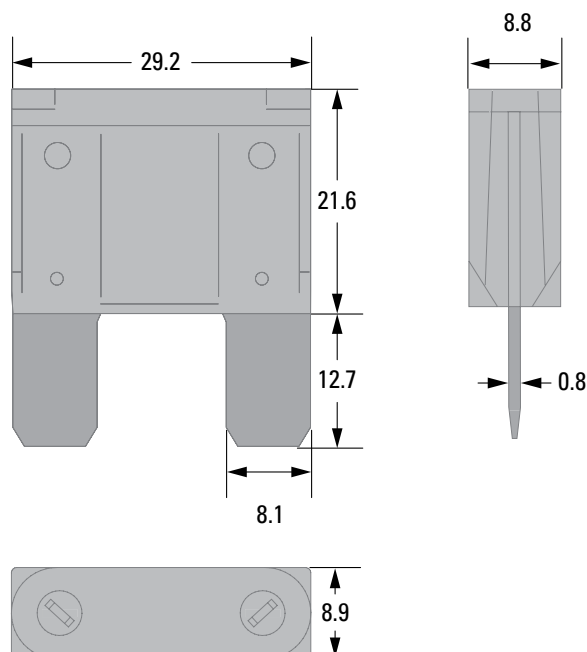
Ratings

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)
0299020_	20	Yellow	4	76	3.1	1100
0299025_	25	Grey	4	75	2.4	2100
0299030_	30	Green	4	77	1.9	4100
0299035_	35	Brown	4	75	1.7	6000
0299040_	40	Orange	4	75	1.4	8500
0299050_	50	Red	6	73	1.1	11 300
0299060_	60	Blue	6	77	0.9	15 300
0299070_	70	Tan	10	61	0.6	21 200
0299080_	80	Light Orange	10	62	0.5	43 600

Note: The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

Dimensions

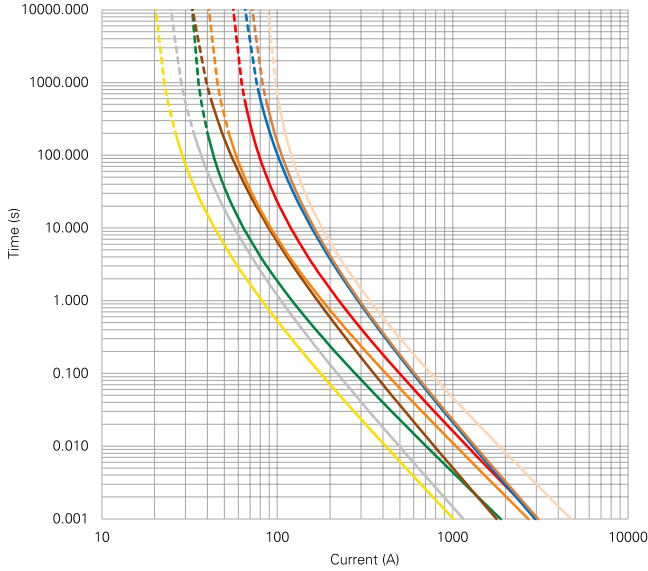
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



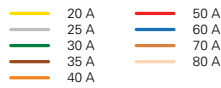
MAXI Series

Blade Fuses – Rated 32V

Time-Current Characteristic



% of Rating	Opening Time in. / Max. (s)
100	360 000 / -
135	60 / 1800
200	2 / 50
350	0.2 / 7
600	0.04 / 1

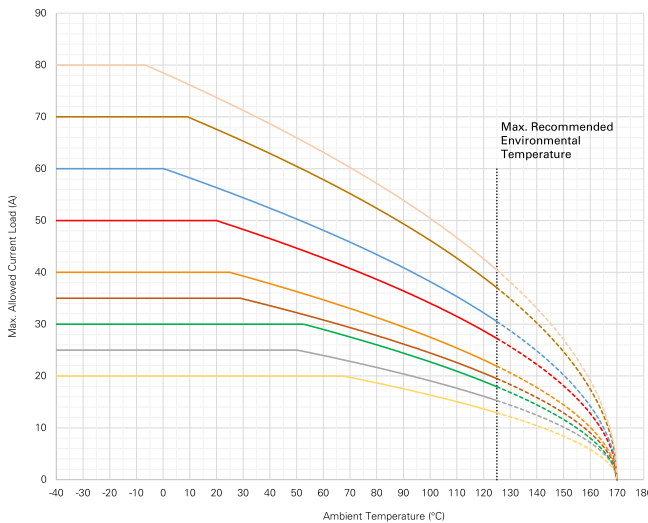


Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

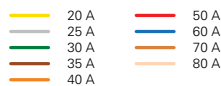
Typical Derating Curves

Temperature security margin is 20%.

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	20	18	15	13
25 A	25	25	25	23	21	18	15
30 A	30	30	30	28	25	21	18
35 A	35	35	35	30	27	23	19
40 A	40	40	40	34	30	25	22
50 A	50	50	50	42	38	31	27
60 A	60	60	56	47	42	35	31
70 A	70	70	68	57	51	43	37
80 A	80	78	74	62	56	47	40



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