New product introduction

MIDI
IMPROVED HOUSING

Bolt-Down fuse series – Rated 32V

PVB TM
Rev. D - April 2024

Littelfuse®
Expertise Applied | Answers Delivered

MIDI IMPROVED HOUSING Series

Bolt-down fuse – Rated 32 V

OVERVIEW

Innovative body design ensure an **increased accessibility** for sockets and ring terminals on new Littelfuse **MIDI Improved Housing 32 V** bolt-down fuses.

Additional improvements include making color-coded ampere markings more visible to OCR scanners and housing features which allow this new MIDI fuse 32 V to withstand **up to 10.5 Nm of torque** on mounting screws (contact a Littelfuse expert to receive details on the test setup).

Available with current ratings from 30 A to 200 A, these fuses are optimized for use in automotive applications and refer to ISO 8820-5 standard, type SF30.

Website: Littelfuse MIDI IH Series

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GENERAL SPECIFICATIONS:

Interrupting Rating:	2000A @32VDC
Voltage Rating:	32VDC
Operating Temperature Range:	-40 °C up to +125 °C
Housing Material:	PA66-GF25
Flammability acc. UL94:	V0
Terminal Material:	Copper alloy
Terminal Plating:	Tin
Typical Weight per fuse:	3.2 g
M6 Mounting Torque:	Recommended: 6 ±1 Nm (according ISO) Max. up to 10.5 Nm (with specific test setup)
Refer to:	ISO 8820-5
Fuse rating:	30 A – 200 A

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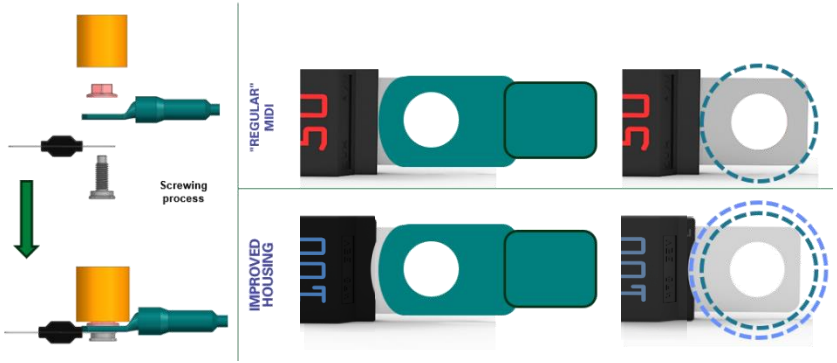
FEATURES & BENEFITS

- Fuse rating in OCR-A font (ISO color coding)
- Maximum torque up to 10.5 Nm with specific test setup
- High accessibility for screwdrivers' sockets and terminals
- UL 94 Flammability ratings V-0
- Available in different variants (2-M6 and 1-M6)

2-Holes M6

1-Hole M6

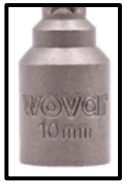


Space for socket accessibility:

Ø 15 mm

Space for socket accessibility:

Ø 16.5 mm



socket

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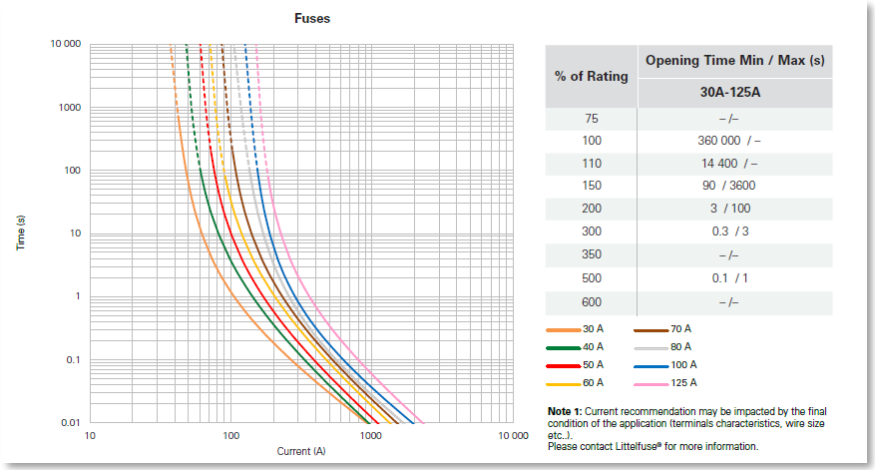
PERFORMANCES

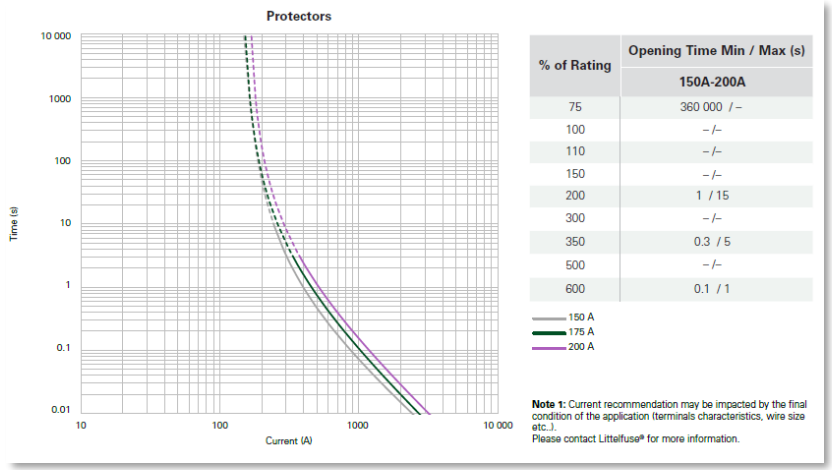
Same electrical performances in terms of operating time and derating of "REGULAR" MIDI 32V



% of Rating	Opening Time Min / Max (s)
	30A-125A
75	– /–
100	360 000 / –
110	14 400 / –
150	90 / 3600
200	3 / 100
300	0.3 / 3
350	– /–
500	0.1 / 1
600	– /–

30 A, 40 A, 50 A, 60 A, 70 A, 80 A, 100 A, 125 A

Note 1: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc..).
Please contact Littelfuse® for more information.



% of Rating	Opening Time Min / Max (s)
	150A-200A
75	360 000 / –
100	– /–
110	– /–
150	– /–
200	1 / 15
300	– /–
350	0.3 / 5
500	– /–
600	0.1 / 1

150 A, 175 A, 200 A

Note 1: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc..).
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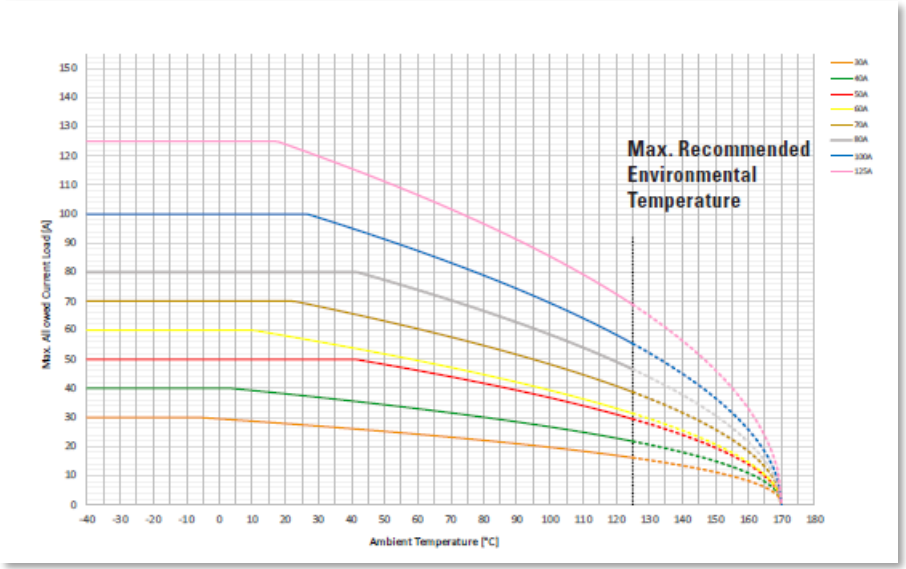
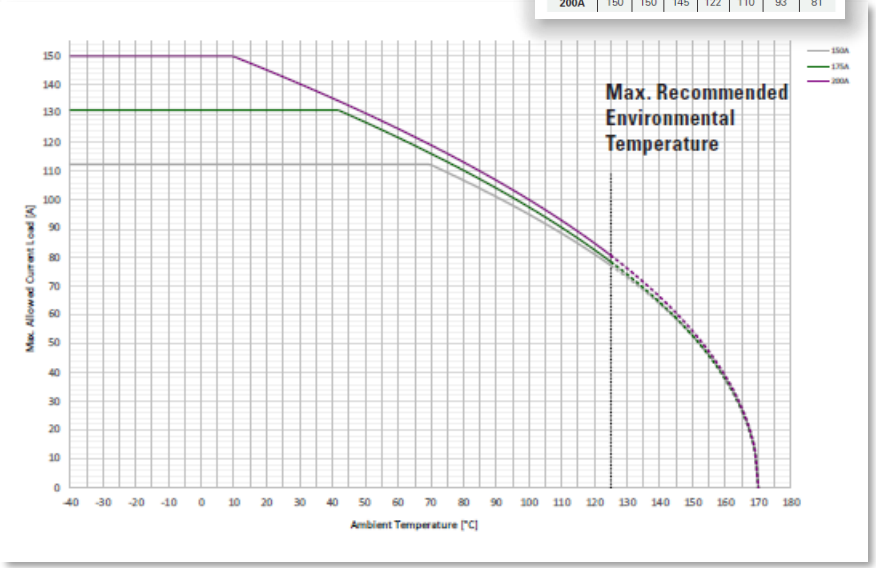
PERFORMANCES

Same electrical performances in terms of operating time and derating of "REGULAR" MIDI 32V:



	max. allowed current load according to typical derating						
	-20°C	0°C	20°C	65°C	85°C	110°C	125°C
30A	30	30	28	24	22	18	16
40A	40	40	38	32	29	25	22
50A	50	50	50	45	41	34	29
60A	60	60	58	48	43	36	31
70A	70	70	70	59	53	45	39
80A	80	80	80	72	65	54	47
100A	100	100	100	85	77	64	55
125A	125	125	124	104	94	79	69
150A	113	113	113	113	104	88	77
175A	131	131	131	119	107	90	79
200A	150	150	145	122	110	93	81



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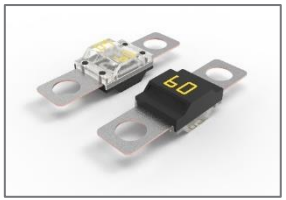
COMPARISON WITH EXISTING PRODUCTS - GENERAL

"REGULAR" MIDI

- Fuse rating in OCR-A font (ISO color coding)
- Hot laser-marked Voltage rating / LF logo / Date code
- Standard housing

& Clear housing version



MIDI IMPROVED HOUSING

NEW

- Fuse rating in OCR-A font (ISO color coding)
- Engraved Voltage rating / LF logo / Series ID 498 (OCR-A)
- Laser-marked date code
- **Improved housing for better screwdrivers sokets and terminals accessibility (Nominal Ø 16.5mm)**
- **Max. torque (up to 10.5 Nm)**
- No clear housing version available

Space for socket accessibility:

Ø 16.5 mm

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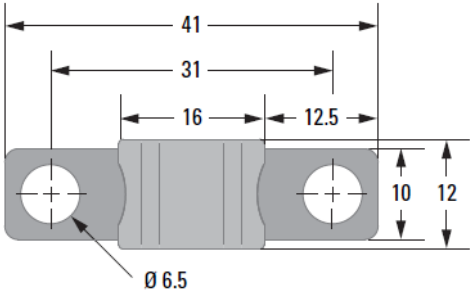
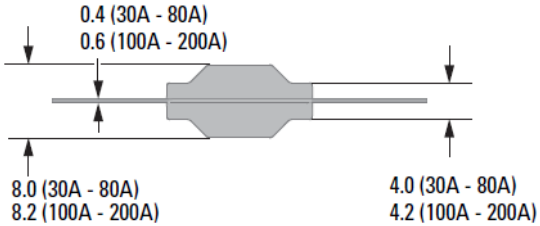
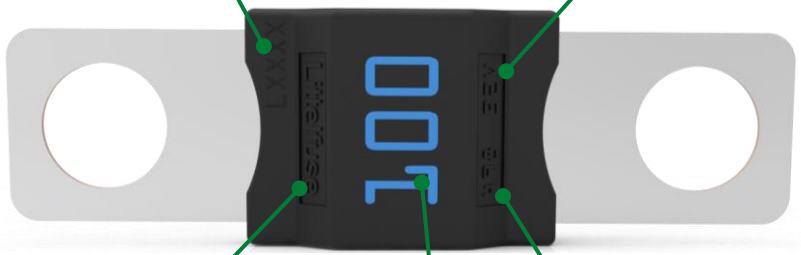
DIMENSIONS & MARKINGS





DATE CODE
(OCR-A Font, laser marked)

VOLTAGE RATING
(OCR-A Font, engraved)



SERIES ID 498
(OCR-A Font, engraved)

LF LOGO
(OCR-A Font, engraved)

FUSE RATING
OCR-A font, high contrast stamped marking
(color coding according ISO)

Current Rating (A)	Color Coding
30	
40	
50	
60	
70	
80	
100	
125	
150	
175	
200	

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DATASHEET

Download the product datasheet and other technical documentation (3D etc.) at Littelfuse.com: [Littelfuse MIDI IH Series]