

ATM blade fuses



Catalog symbol:

- ATM

Description:

A range of UL® Listed fast-acting miniature blade fuses for automotive and low-voltage circuits.

Ratings:

- Volts – 32Vac/dc
- Amps – 2 to 30A
- Interrupting rating – 1kA

Agency information:

- UL Listed
 - UL 275A Guide FHXT, File AU169
- ISO 8820 / JASO D612 / SAE J2077 and J1171 ignition protection

Materials:

- Terminals and element
 - Silver-plated zinc
- Housing
 - Polyamide, UL 94 HB flammability rating

Environmental:

- Operating temperature range -40°C to +100°C, 95% RH non-condensing
- Storage temperature range -5°C to +35°C or lower, 85% RH non-condensing

Basic part numbers

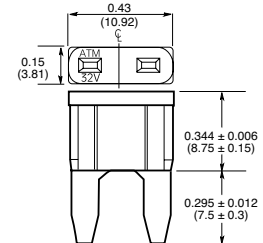
Part number (amp)	Color	Part number (amp)	Color
ATM-2	Gray	ATM-10	Red
ATM-3	Violet	ATM-15	Blue
ATM-4	Pink	ATM-20	Yellow
ATM-5	Tan	ATM-25	Clear
ATM-7½	Brown	ATM-30	Green

Packaging codes

ATM-(amp)	Five fuses packed in a tin
ATM-(amp)RLD*	10 fuses in a polybag
BP/ATM-(amp)-RP	Five fuses in a retail blister card pack
VP/ATM-(amp)-RP	25 fuses in a clamshell pack
BK/ATM-(amp)	500 fuses in a carton

* Not available for the 4 amp ATM fuses.

Dimensions - in



Electrical characteristics (@ 23°C)*

% of fuse amp rating	Operating time (sec)	
	Min	Max
110%	100 hrs.	—
135%	0.75 sec.	600 sec.
160%	0.25 sec.	50 sec.
200%	0.15 sec.	5 sec.
350%	0.04 sec.	0.5 sec.
600%	0.02 sec.	0.1 sec.

* Fuse characteristics may vary according to the conditions under which they are used. Fuse derating with change in ambient temperature: -0.15% / 1°C.

Features

- Halogen free and RoHS compliant
- Test points on fuses to speed troubleshooting
- Industry standard color coded by amp rating

Typical applications

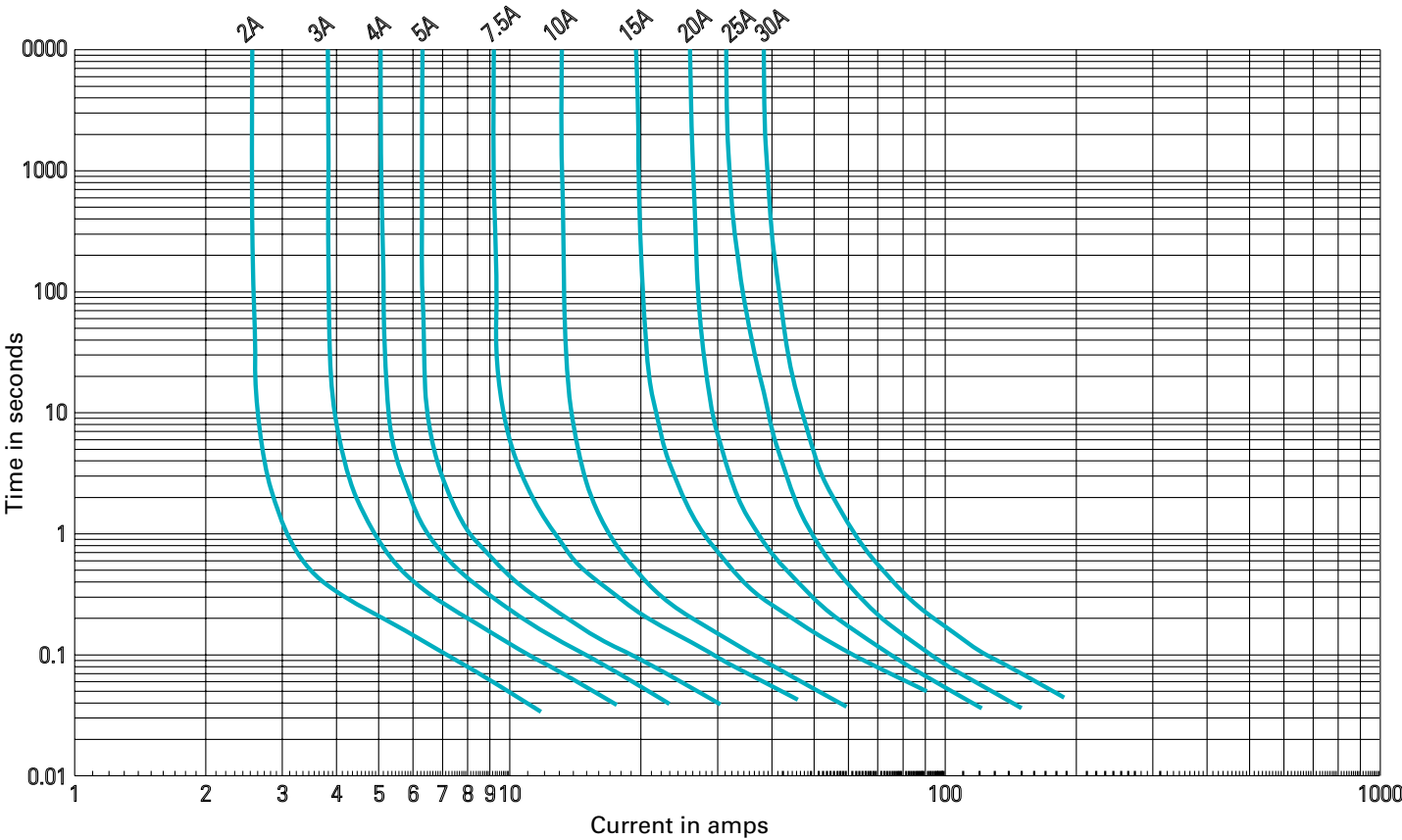
- Automotive
- Low voltage control circuits

Recommended fuse holders, add-a-circuit and fuseclips

Part number	Description	Max volts/amps	Leadwire
HHH	Add-a-circuit for additional fused circuit on a block	32V/10A	5"/#16
HHL	Inline fuse holder with cover	32V/20A	2x4"/#16
HHM	Inline fuse holder with cover	32V/30A	2x4"/#12
HHU	Water resistant inline fuse holder with cover	32V/30A	2x4"/#12
ATM-FHID	Indicating inline fuse holder with cover	32V/20A	2x4"/#16
1A5778**	PCB fuse clip	32V/15A	—
1A5779**	PCB fuse clip with nylon base	32V/15A	—

** See data sheet no. 2131 for details.

Time-current characteristic curves – average melt



Cold resistance (mΩ)

	2A	3A	4A	5A	7.5A	10A	15A	20A	25A	30A
MAX	51.11	30.76	23.91	17.19	11.39	8.12	5.15	3.62	2.63	2.17
MIN	47.49	29.20	23.77	16.20	10.74	7.60	4.68	3.32	2.45	2.00
AVG	49.25	29.81	23.84	16.66	11.09	7.85	4.89	3.49	2.56	2.09

The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.



Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
 Eaton.com

 Bussmann Division
 114 Old State Road
 Ellisville, MO 63021
 United States
 Eaton.com/bussmannseries

© 2015 Eaton
 All Rights Reserved
 Printed in USA
 Publication No. 2048 – BU-SB15054
 December 2015

Eaton and Bussmann are valuable trademarks of Eaton in the US and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

 UL is a registered trademark of the Underwriters Laboratories, Inc.

For Eaton’s Bussmann series product information, call 1-855-287-7626 or visit: Eaton.com/bussmannseries

Follow us on social media to get the latest product and support information.