ATM blade fuses



RoHS

HALOGEN HF FREE

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

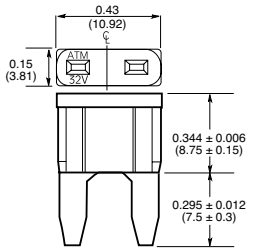
Part number (amp)	Color	Part number (amp)	Color
ATM-2	Gray	ATM-10	Red
ATM-3	Violet	ATM-15	Blue
ATM-4	Pink	ATM-20	Yellow
ATM-5	Tan	ATM-25	Clear
ATM-7½	Brown	ATM-30	Green

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

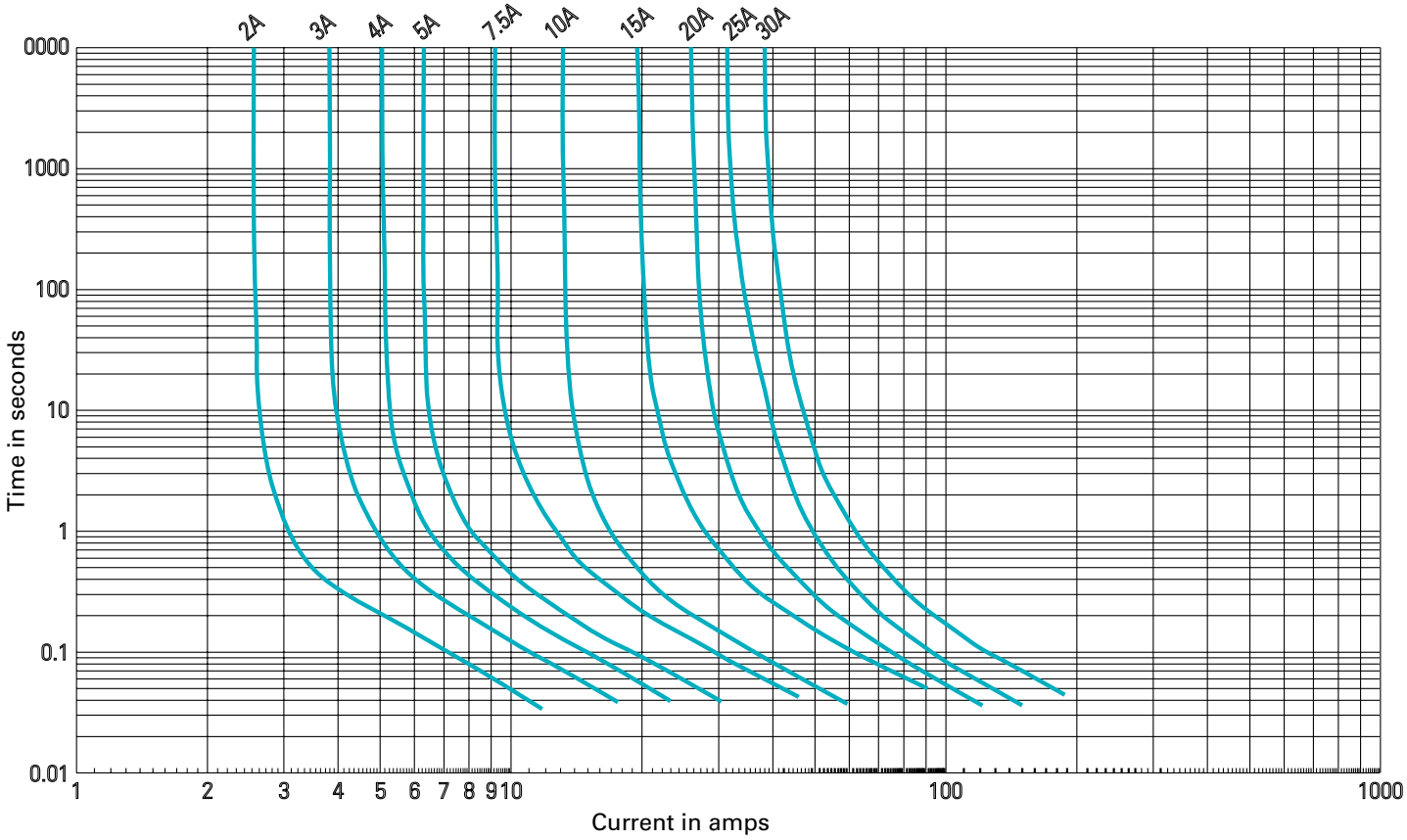
Part number	Description	Max volts/ amps	Leadwire
HHH	Add-a-circuit for additional fused circuit on a block	32V/10A	5”/#16
HHL	Inline fuse holder with cover	32V/20A	2x4”/#16
HHM	Inline fuse holder with cover	32V/30A	2x4”/#12
HHU	Water resistant inline fuse holder with cover	32V/30A	2x4”/#12
ATM-FHID	Indicating 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.

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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

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Printed in USA
Publication No. 2048 – BU-SB15054
December 2015

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