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

Agency information

- UL Listed, Guide FHXT, File AU169
- ISO 8820-3 / JASO D612 / SAE J2077 and J1171 ignition protection

Materials

- Silver-plated zinc terminals and element
- Polyamide housing with UL 94 HB flammability rating

Environmental

- Operating temperature range -40°C to +80°C, 95% RH non-condensing
- Storage temperature range -5°C to +35°C or lower, 85% RH non-condensing

Basic catalog numbers

Cat. no. (amp)	Color code	Cat. no. (amp)	Color code
ATM-1*	Black	ATM-10	Red
ATM-2	Gray	ATM-15	Blue
ATM-3	Violet	ATM-20	Yellow
ATM-4	Pink	ATM-25	Clear
ATM-5	Tan	ATM-30	Green
ATM-7-1/2	Brown		

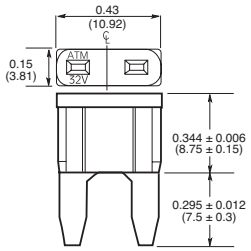
* Available only in traditional and bulk pack.

Packaging codes

Package type	Cat. no. configuration	Contents
Traditional	ATM-(amp)	5 fuses in a tin
Reload	ATM-(amp)RLD*	10 fuses in a polybag
Retail pack	BP/ATM-(amp)-RP	5 fuses in a blister card
Value pack	VP/ATM-(amp)-RP	25 fuses in a clamshell pack
Bulk pack	BK/ATM-(amp)	500 fuses in a carton

* Not available for the 4 amp ATM fuses.

Dimensions — in



Operating @ 23°C*

% of fuse amp rating	Min	Max
110%	100 hrs	—
135%	0.75 sec	600 sec
160%	0.25 sec	50.0 sec
200%	0.15 sec	5.0 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 fuse housing speeds troubleshooting
- Industry standard color coded by amp rating

Typical applications

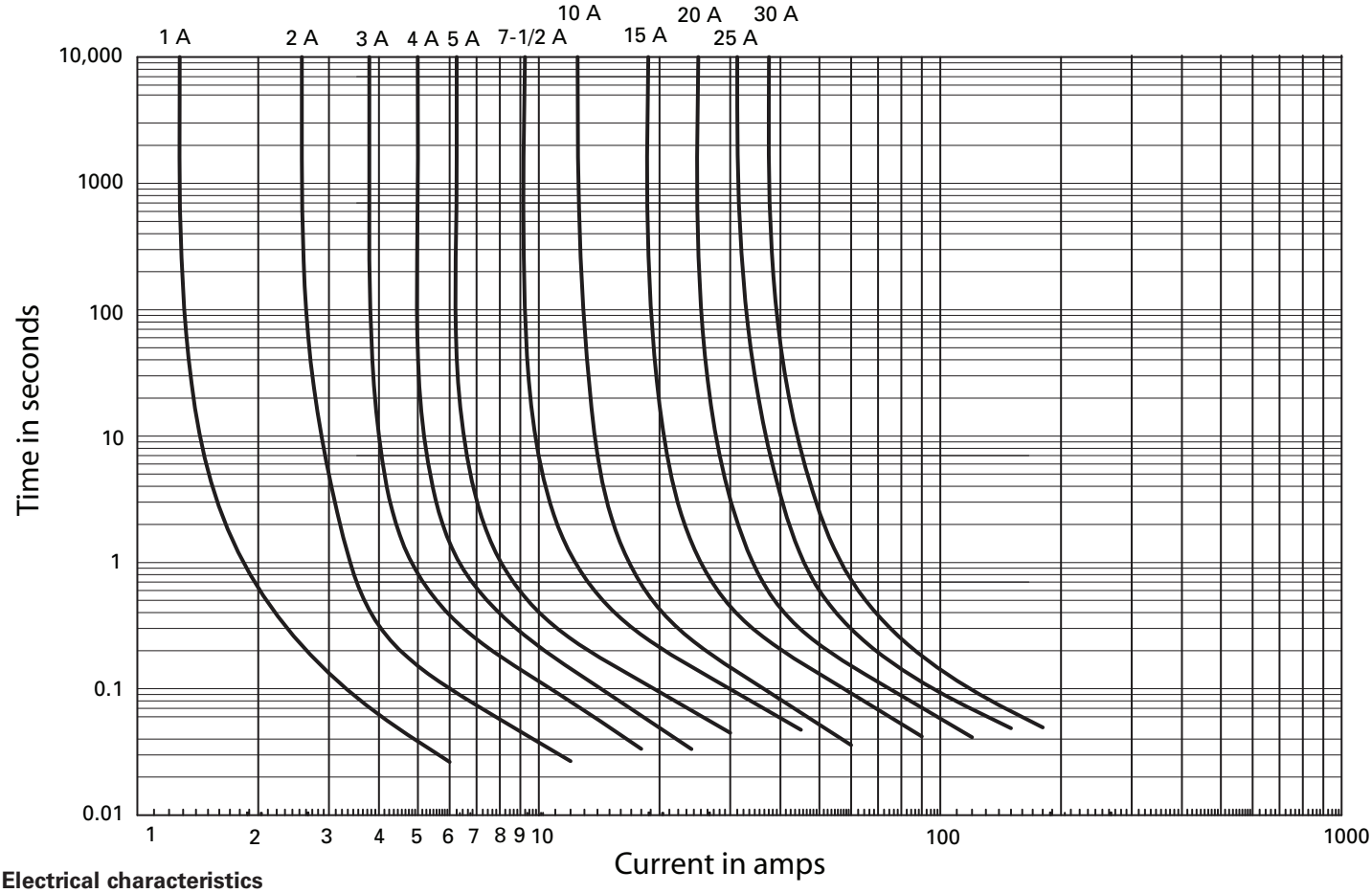
- Automotive
- Low voltage control circuits

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



Electrical characteristics

Fuse amps	Resistance	Voltage drop
1	121 mΩ	175 mV
2	49.7 mΩ	140 mV
3	29.6 mΩ	140 mV
4	23.8 mΩ	136 mV
5 A	16.7 mΩ	112 mV
7-1/2	11.1 mΩ	112 mV
10	7.82 mΩ	106 mV
15	4.93 mΩ	99 mV
20	3.48 mΩ	95 mV
25	2.58 mΩ	92 mV
30	2.12 mΩ	86 mV

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