Effective December 2015
Supersedes February 2015

## 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 $-40^{\circ} \mathrm{C}$ to $+100^{\circ} \mathrm{C}, 95 \% \mathrm{RH}$ non-condensing
- Storage temperature range $-5^{\circ} \mathrm{C}$ to $+35^{\circ} \mathrm{C}$ or lower, 85\% RH non-condensing


## Basic part numbers

| Part <br> number <br> (amp) | Color | Part <br> number <br> (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-7 $1 / 2$ | Brown | ATM-30 | Green |

Packaging codes

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

* Not available for the 4 amp ATM fuses.

Dimensions - in


Electrical characteristics (@ $\mathbf{2 3}^{\circ} \mathrm{C}$ )*

| $\%$ of fuse amp |
| :--- | :--- | :--- |
|  |$\quad$|  | Operating time (sec) |  |
| :--- | :--- | :--- |
| $110 \%$ | 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: $-0.15 \% / 1^{\circ} \mathrm{C}$.


## 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 | $2 \times 4$ /\#16 |
| HHM | Inline fuse holder with cover | 32V/30A | $2 \times 4$ /\#12 |
| HHU | Water resistant inline fuse holder with cover | 32V/30A | 2x4"/\#12 |
| ATM- <br> FHID | Indicating inline fuse holder with cover | 32V/20A | $2 \times 4$ /\#16 |
| 1A5778** | PCB fuse clip | 32V/15A | - |
| 1A5779** | PCB fuse clip with nylon base | 32V/15A | - |

[^0]
## Time-current characteristic curves - average melt



## Cold resistance (m $\Omega$ )

|  | 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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[^0]:    ** See data sheet no. 2131 for details.

