



# THE DATASHEET OF ATC-1



# ATC

## Blade fuses



### Features and benefits:

- Industry standard color coding for quick identification of amp rating
- Tin-plated zinc terminals for corrosion resistance and enhanced conductivity
- UL Recognized for use in low voltage control circuits
- Wide -40°C to +100°C operating temperature range meets the needs of extreme environments
- Lead free, halogen free and RoHS compliant
- Test points on specific part/package numbers may speed up circuit troubleshooting

### Product description:

A range of UL® Recognized fast-acting ATC blade fuses for automotive and low-voltage control circuits.

Featuring the same form, fit, and electrical and performance characteristics, ATC fuses are available in a variety of housing materials specific to orderable catalog numbers to meet application needs.

Technical Data 2009

Effective December 2015

Catalog symbol: ATC

Applications:

- Automotive and low-voltage control circuits.

Ratings:

- Volts
  - 32V
- Amps
  - 1-40A
- Interrupting rating
  - 1kA

Agency information:

- UL Recognized File E56412, Guide JFHR2, UL 248-1 (1-40A).
- ISO 8820-3 / SAE J1284 / JASO 612 (1-40A).
- SAE J1171 (Ignition protection) see catalog number tables for specific orderable product.
- RoHS compliant

Materials:

- Terminals
  - Tin-plated zinc
- Element
  - Tin-plated zinc
- Housing (see catalog number tables for specific housing materials)
- Housing flammability rating
  - UL 94

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 code	Part number (amp)	Color code
ATC-1	Black	ATC-15	Blue
ATC-2	Gray	ATC-20	Yellow
ATC-3	Violet	ATC-25	Clear
ATC-4	Pink	ATC-30	Green
ATC-5	Tan	ATC-35	Blue/Green
ATC-7½	Brown	ATC-40	Orange
ATC-10	Red		

\* See catalog number tables on page four for specific construction, housing material and package availability.

Electrical characteristics @23°C\* for all available catalog numbers

% of fuse amp rating	Operating time (sec)	
	Min	Max
110	100 Hrs	—
135	0.75	120 (240**)
160	0.25	50
200	0.15	5
350	0.04	0.5
600	0.02	0.1

\* Fuse derating with change in ambient temperature = -0.15% / 1°C

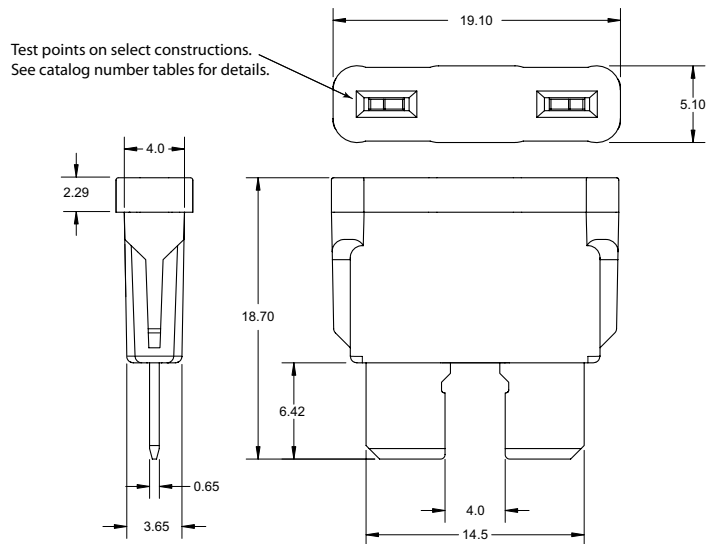
\*\* 135% Operating time of less than 4 amps.

Recommended fuse panels, holders and fuseclips

Part no.	Description	Max amps	Lead wire length/size
15600_-20	ATC Fuse panel in 4- to 20-poles	20A	—
HHC	Yellow, water resistant in-line fuse holder	20A	2x4"/#16
HHD	Black, heavy-duty in-line fuse holder	30A	2x4"/#12
HHF	Black, in-line fuse holder w/ cover	20A	2x4"/#14
HHG	Black, heavy-duty in-line fuse holder w/cover	30A	2x4"/#12
HHR	Heavy-duty, water resistant in-line fuse holder	30A	2x5"/#12
BP/HHS-RP	Self-stripping in-line fuse holder	20A	#18 to #14
BP/HHA-RP	Add-A-Fuse	10A	N/A
ATC-FHID	Illuminating in-line fuse holder	20A	2x6"/#16
1A5600*	PCB Fuseclip	20A	—
1A5780*	PCB Fuseclip	15A	—

\* See Data Sheet No. 2131 for details.

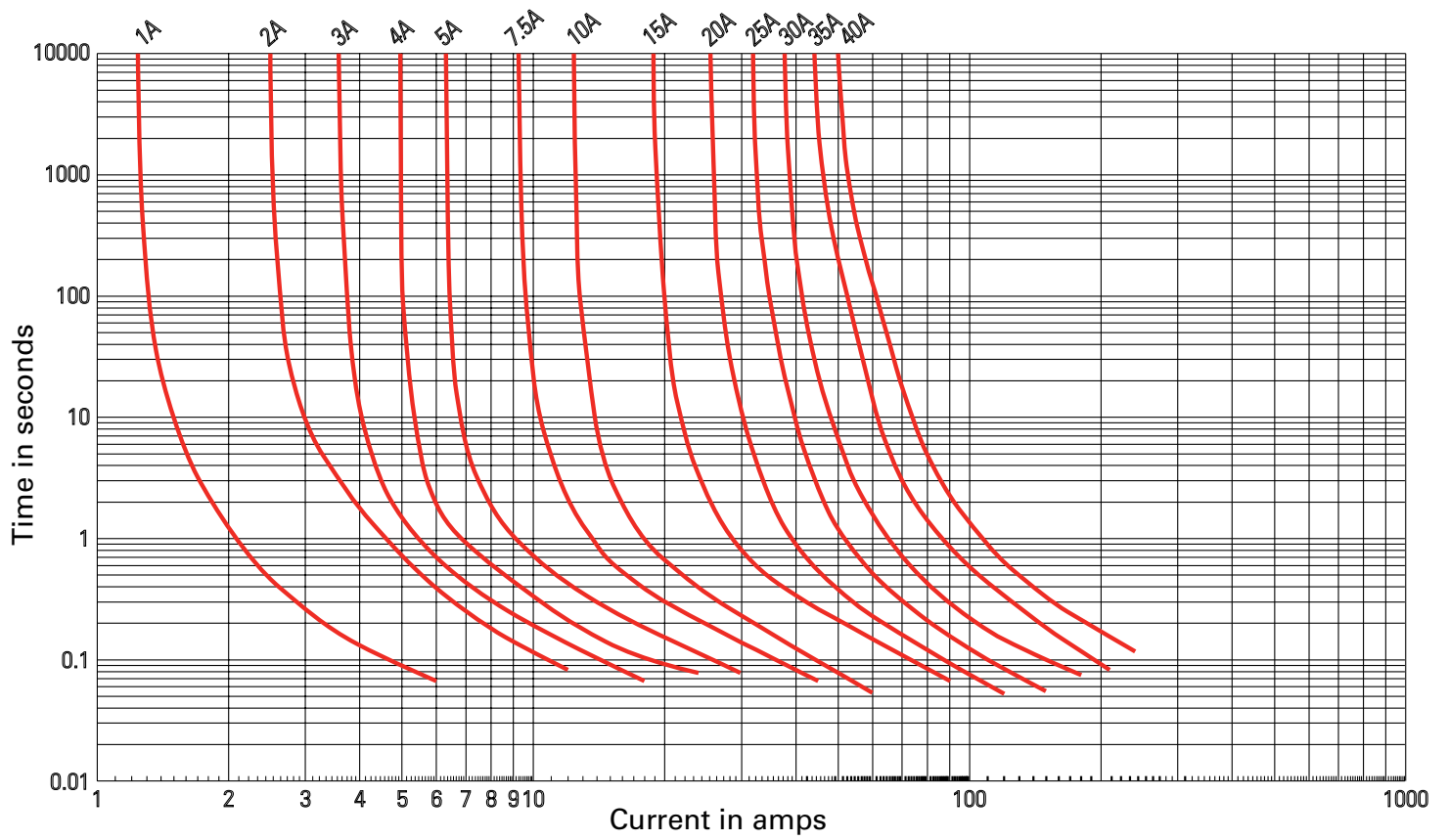
Dimensions - mm



Test points on select constructions. See catalog number tables for details.

Dimensions shown are basic for all ampacities, constructions and housing materials.

Time-current characteristic curves — average melt - for all fuse constructions/housing materials



## ATC fuse construction and housing material availability by catalog number

**Table 1. ATC fuse catalog number availability for open body housing without test points\***

Reload	Bulk packs	Blister packs	Assortments/kits/trays	Housing material
ATC-5RLD	BK/ATC-5	BP/ATC-5-RP	BP/ATC-A5-RP (fuse assortment)	Nylon
ATC-7½RLD	BK/ATC-7½	BP/ATC-7½-RP	BP/ATC-AH8-RPP (fuse emergency kit)	Nylon
ATC-10RLD	BK/ATC-10	BP/ATC-10-RP	BP/ATC-AL8-RP (low amp assortment)	Nylon
ATC-15RLD	BK/ATC-15	BP/ATC-15-RP	DIA-1 (diagnostic kit)	Nylon
ATC-20RLD	BK/ATC-20	BP/ATC-20-RP	NO.44 (fuse emergency kit)	Nylon
ATC-25RLD	BK/ATC-25	BP/ATC-25-RP	NO.80 (bulk assortment)	Nylon
ATC-30RLD	BK/ATC-30	BP/ATC-30-RP	NO.95BK (ATC/ATM bulk assortment)	Nylon
—	—	—	NO.53 (ATC/MAX fuse emergency kit)	Nylon
—	—	—	NO.160BK (bulk assortment)	Nylon
—	—	—	NO.225 (tilt bin assortment)	Nylon

\* For specific quantities and amp ratings, see consumer aftermarket product catalog No. 5084.

**Table 2. ATC fuse catalog number availability for closed body housing with test points and SAE J1171 ignition protected**

Reload	Bulk packs*	Blister packs	5-in tins**	Value packs	Assortments	Housing material
—	BK/ATC-1	BP/ATC-1-RP	ATC-1	—	—	Polycarbonate
—	BK/ATC-2	BP/ATC-2-RP	ATC-2	—	—	Polycarbonate
ATC-3RLD	BK/ATC-3	BP/ATC-3-RP	ATC-3	—	—	Polycarbonate
ATC-4RLD	BK/ATC-4	BP/ATC-4-RP	ATC-4	—	—	Polycarbonate
—	BK/ATC-5M	—	ATC-5	VP/ATC-5-RP	—	Polycarbonate
—	BK/ATC-7½/2M	—	ATC-7½/2	VP/ATC-7½/2-RP	—	Polycarbonate
—	BK/ATC-10M	—	ATC-10	VP/ATC-10-RP	—	Polycarbonate
—	BK/ATC-15M	—	ATC-15	VP/ATC-15-RP	—	Polycarbonate
—	BK-ATC-20M	—	ATC-20	VP/ATC-20-RP	—	Polycarbonate
—	BK-ATC-25M	—	ATC-25	VP/ATC-25-RP	—	Polycarbonate
—	BK-ATC-30M	—	ATC-30	VP/ATC-30-RP	—	Polycarbonate
—	BK-ATC-35	—	ATC-35	—	—	Polysulfone
—	BK-ATC-40	BP/ATC-40-RP	ATC-40	—	—	Polyethersulfone
—	—	—	—	—	CDY10TRY-ATC (fuse tray)***	—
—	—	—	—	—	NO.290†	—

\* 2000 fuses per pack.

\*\* 5 fuses per tin.

\*\*\* Contains (5 each) – ATC 3, 4, 5, and 7-1/2.

(10 each) – ATC 10, 15, 20, 25, 30, 35 and 40A.

† Contains one 5-in tin each of ATC 3, 4, 5, 7 1/2, 10, 15, 20, 25, 30, 35 and 40A.

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