ATC Blade Fuses

COOPER
Bussmann™

ATC — 32V, 1-40A, Fast-Acting

HF FREE (HALOGEN)   Pb (crossed out)   RoHS

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

Catalog Symbol: ATC-_

Ratings:

Volts — 32Vdc

Amps — 1-40A

IR — 1kA

Agency Information:

UL Recognized File E56412, Guide JFHR2, UL 248-1 (1-40A)

ISO 8820-3 / SAE J1284 / JASO 612 (1-40A)
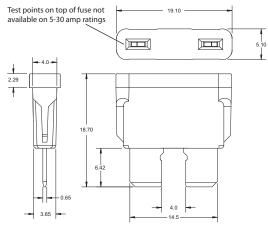
SAE J1171 (Ignition Protection) (1-4A, 35-40A)

Materials:

Terminals — Tin-plated zinc

Element — Tin-plated zinc

Housing — 1-4A Polycarbonate, UL 94 Flammability Rating
— 5-30A Polyamide, UL 94 Flammability Rating
— 35A Polysulfone, UL 94 Flammability Rating
— 40A Polyethersulfone, UL 94 Flammability Rating

Catalog Numbers (Amps)

Part Number (Amp)	Fuse Body Color Code	Part Number (Amp)	Fuse Body 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		

Dimensions - mm

Test points on top of fuse not available on 5-30 amp ratings

19.10, 5.10, 4.0, 2.29, 18.70, 6.42, 0.65, 3.65, 4.0, 14.5

Dimensions shown are basic for all ampacities.

Electrical Characteristics @23°C*

% 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.

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

Applications:

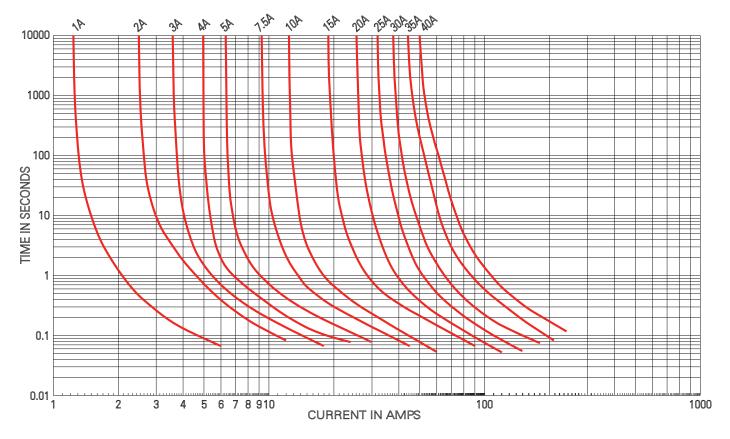• Automotive circuits   • Low voltage control circuits

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-Circuit Tap	10A	N/A
ATC-FHID	Illuminating in-line fuse holder	20A	2x6"/#16
1A5600*	PCB Fuseclip	20A	—
1A5780*	PCB Fuseclip	15A	—

* See Data Sheet # 2131 for details.

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Time-Current Characteristic Curves — Average Melt