

# **ABC**

# 1/4" x 1 1/4" Fast-acting ceramic tube fuses





ELECTRICAL CHARACTERISTICS					
% of Amp Rating	Opening Time				
100%	4 Hours Minimum				
135%	60 Minutes maximum				
200%	120 Seconds Maximum				

#### **Product features**

- Fast-acting, ceramic tube
- Optional axial leads available
- $^{1}$ /4" x 1  $^{1}$ /4" (6.4 x 31.7mm) physical size
- Ceramic tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

# **Agency information**

- UL Listed Guide JDYX & File E19180
- UL Recognition Guide JDYX2 & File E19180
- CSA Certification: Class No: 1422-01 & 1422-30, File 53787

#### **Ordering**

Specify packaging, product and option code

					Specif	ication	ns					
	Volt	age	Vac Interrupting		Vdc Interrupting		Typical	Typical	Typical			
Part	Rati	ngs	Ratings	* (amps)	mps) Ratings (amps)		DC Cold	Pre-Arc	Voltage	Agency Approvals		
Number	Vac	Vdc	250V	125V	125V	75V	Resistance (Ω)**	I <sup>2</sup> t AC <sup>†</sup>	Drop (V)‡	UL	UR	CSA
ABC-1/4-R	250	125	35	10,000	10,000	_	2.950	0.0020	0.35	Х		Х
ABC-½-R	250	125	35	10,000	10,000	_	0.587	0.0390	0.41	Х		Х
ABC-%-R	250	125	35	10,000	10,000	_	0.300	0.1450	0.32	Х		Х
ABC-1-R	250	125	35	10,000	10,000	_	0.1950	0.4310	0.3	Х		Х
ABC-1-1/2-R	250	125	100	10,000	10,000	-	0.131	1.1630	0.28	Х		Х
ABC-2-R	250	125	100	10,000	10,000	_	0.0890	2.1670	0.31	Х		Χ
ABC-2-1/2-R	250	125	100	10,000	10,000	_	0.061	4.4670	0.23	Х		Х
ABC-3-R	250	125	100	10,000	10,000	_	0.047	6.55	0.14	Х		Χ
ABC-4-R	250	125	200	10,000	10,000	_	0.031	22.28	0.17	Х		Х
ABC-5-R	250	125	200	10,000	10,000	-	0.026	32.83	0.22	Х		Х
ABC-6-R	250	125	200	10,000	10,000	_	0.021	58	0.19	Х		Χ
ABC-7-R	250	125	200	10,000	10,000	_	0.016	109.33	0.17	Х		Χ
ABC-8-R	250	125	200	10,000	10,000	_	0.014	116.5	0.19	Х		Х
ABC-10-R	250	125	200	10,000	10,000	_	0.011	208.8	0.15	Х		Х
ABC-12-R	250	125	750	10,000	10,000	-	0.0068	133.3	0.1	X		Х
ABC-15-R	250	125	750	10,000	10,000	_	0.00553	200.2	0.1	Х		Х
ABC-18-R	250	_	400	1000	_	_	0.00465	400	0.1		Χ	Χ
ABC-20-R	250	125	400	1000	10,000	_	0.00366	550.8	0.1		Х	Х
ABC-25-R	250	125	200	1000	400	1000	0.0028	839.3	0.09		Х	χ#
ABC-30-R	250	125	200	1000	400	1000	0.002225	1429	0.09		Х	Х#

<sup>\*</sup> Interrupting ratings measured at 70% - 80% power factor on AC. The interrupting ratings for 18A and 20A were measured at 85% - 95% power factor on AC. The interrupting ratings for 25A and 30A were measured at 89% power factor on AC.

Typical DC cold resistance measured at <10% of rated current.

<sup>‡‡</sup> CSA approvals for 25A and 30A are at 125Vac - IR 1000A and 125Vdc - IR 400A (IR 1000A at 75Vdc)

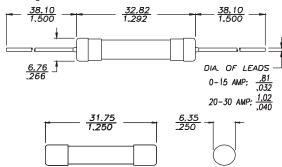


<sup>†</sup> Typical melting I2t measured at listed interrupting rating and rated voltage.

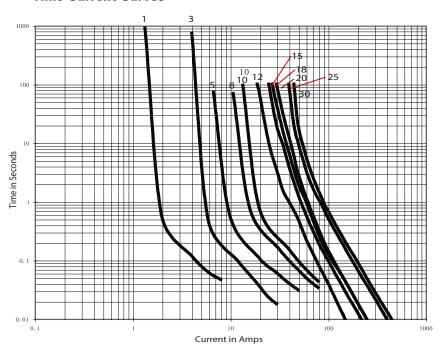
<sup>‡</sup> Typical voltage drop measured at 25°C±3°C ambient temperature at rated current.

### **Dimensions - mm**

Drawing Not to Scale



## **Time-Current Curves**



	PACKAGING CODE
Packaging Code	Description
BK	100 pieces of fuses packed into a cardboard carton
BK1	1000 pieces of fuses packed into a cardboard carton
BK8	8000 pieces of fuses packed into a cardboard carton

OPTION CODE		
Option Code	Description	
V	Axial leads - copper tinned wire with nickel plated brass overcaps	

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#### Eaton Electronics Division

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