Effective November 2021 Supersedes August 2020

MDA 1/4" x 1 1/4" Time-delay ceramic tube fuses (b)



• 1/4" x 1-1/4" (6.35 x 31.75 mm) physical size

• UL Listed product meets standard 248-14

• Ceramic tube, nickel-plated brass endcap construction

Product features

• Optional axial leads available

• Time-delay

Agency information

• UL Listed Card: MDA 1/4 - 20 A (Guide JDYX, File E19180)

BUSSMANN SERIES

- UL Recognized Card: MDA 25 30 A (Guide JDYX2, File E19180)
- CSA Certification Card: MDA 1/4 20 A (Class No. 1422-01)
- CSA Component Acceptance: MDA 25 30 A (Class No. 1422-30)

General specifications

- Shock: 1 A thru 30 A MIL-STD-202, Method 213, Test Condition J
- Vibration: 1/4 A thru 30 A MIL-STD-202, Method 204, Test Condition C (Except 5 g, 500 Hz)

Ordering

 Specify packaging code prefix, part number and and option code. Replace the "/" with a "-" (i.e. BK-MDA-BV-1-4-R)

Electrical characteristics					
Rated current	Amp rating	Opening time			
	100%	None			
1/4 - 30 A	135%	60 minutes max.			
	200%	120 seconds max.			

Specifications									
			AC inte	errupting					
Part	Voltage rating		rating* (A)		DC interrupting	Typical DC cold	Typical	Typical voltage	
number	Vac	Vdc	250 V	125 V	rating (A) 125 V	resistance ^{**} (Ω)	melting I ² t† AC	drop‡	
MDA-1/4-R	250	-	35	10000	-	8.7	0.748	4.00	
MDA-1/2-R	250	-	35	10000	-	1.78	2.53	1.42	
MDA-3/4-R	250	-	35	10000	-	0.82	8.58	1.31	
MDA-1-R	250	-	35	10000	-	0.56	12.21	1.03	
MDA-1-1/2-R	250	-	100	10000	-	0.2565	27.5	0.691	
MDA-2-R	250	-	100	10000	-	0.17	70.4	0.623	
MDA-2-1/2-R	250	125	200	10000	10000	0.068	31.79	0.213	
MDA-3-R	250	125	200	10000	10000	0.0525	44.99	0.182	
MDA-4-R	250	125	200	10000	10000	0.03575	147.4	0.162	
MDA-5-R	250	125	200	10000	10000	0.0256	380.49	0.145	
MDA-6-R	250	125	200	10000	10000	0.02035	587.73	0.141	
MDA-7-R	250	125	200	10000	10000	0.0165	638.33	0.137	
MDA-8-R	250	125	200	10000	10000	0.013	1038.4	0.134	
MDA-10-R	250	125	200	10000	10000	0.00925	1620.43	0.135	
MDA-12-R	250	125	750	10000	10000	0.00755	125.18	0.128	
MDA-15-R	250	125	750	10000	10000	0.00565	336.82	0.107	
MDA-20-R	250	125	1500	10000	10000	0.004065	483.45	0.095	
MDA-25-R	250	125	1500	10000	10000	0.0031	734.69	0.105	
MDA-30-R	250	125	1500	10000	10000	0.002465	1096.7	0.110	

* Interrupting ratings (Measured at 70% - 80% power factor on AC. The interrupting ratings for 25 A, 30 A were measured at 90% - 100% power factor on AC)

** DC Cold resistance (Measured at _<10% of rated current)

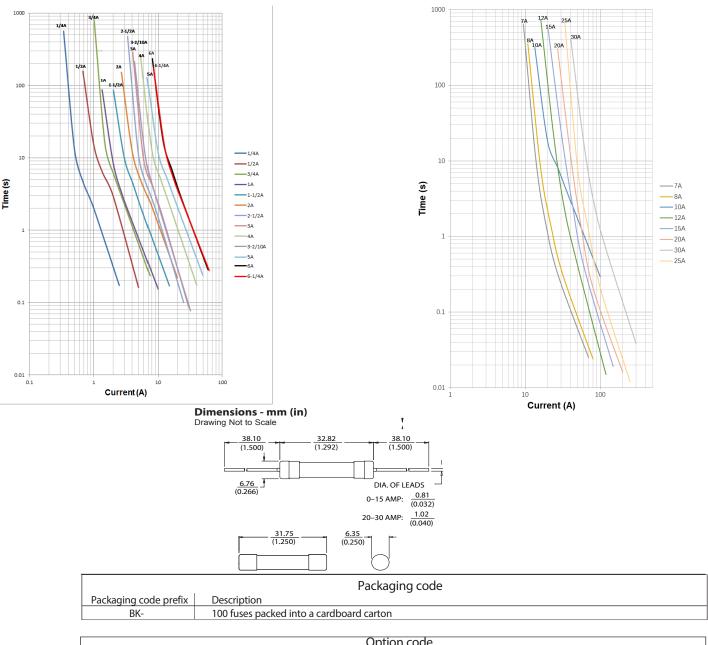
† Typical melting I²t (A²sec) (I²t was measured at listed interrupting rating and rated voltage)

Typical voltage drop (Voltage drop was measured at +25 °C ambient temperature at rated current)



Time-current curves (1/4 A - 6 1/4 A)





Option code		
Option code	Description	
В	Sealed to withstand aqueous cleaning (Board washable)	
V	Axial leads - copper tinned wire with nickel plated brass overcaps	

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