

1/4" x 1 1/4" Fuses

MDQ Series Dual-Element, Time-Delay, Glass Fuse

Description

- Dual-element, time-delay
- 1/4" x 1 1/4" (6.3 x 32mm) physical size
- Glass tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14
- Available with axial leads

| Electrical Characteristics | | |
|----------------------------|-----------------|---------------------|
| Rated Current | % of Amp Rating | Opening Time |
| 1/16 - 30A | 100% | None |
| | 135% | 60 minutes maximum |
| | 200% | 120 seconds maximum |



Agency Information

- UL Listed Card: MDQ-1/16 - 7A (Guide JDYX, File E19180)
- UL Recognition Card: MDQ-7.5 - 15A (Guide JDYX2, File E19180)
- CSA Component Acceptance Card: MDQ-1/16 - 15 (Class 1422-01)

Ordering

- Specify packaging, product, and option code (i.e., Bk-MDQ-BV-1)

Dimensions - mm (in)



| Specifications | | | |
|----------------|--------------------|--------------------------|----------------------------------|
| Product Code | Voltage Rating Vac | Interrupting Rating Amps | Typical DC Cold Resistance (Ω)** |
| MDQ-1/16 | 250 | 35 | 83.30000 |
| MDQ-1/10 | 250 | 35 | 35.00000 |
| MDQ-1/8 | 250 | 35 | 21.50000 |
| MDQ-3/16 | 250 | 35 | 10.00000 |
| MDQ-2/10 | 250 | 35 | 8.65000 |
| MDQ-1/4 | 250 | 35 | 5.77500 |
| MDQ-3/10 | 250 | 35 | 4.20000 |
| MDQ-3/8 | 250 | 35 | 2.35000 |
| MDQ-1/2 | 250 | 35 | 1.40000 |
| MDQ-3/4 | 250 | 35 | 0.39685 |
| MDQ-1 | 250 | 35 | 0.37400 |
| MDQ-1-1/4 | 250 | 100 | 0.36000 |
| MDQ-1-1/2 | 250 | 100 | 0.27000 |
| MDQ-2 | 250 | 100 | 0.13250 |
| MDQ-2-1/4 | 250 | 100 | 0.11450 |
| MDQ-2-1/2 | 250 | 100 | 0.10050 |
| MDQ-3 | 250 | 100 | 0.05715 |
| MDQ-4 | 250 | 200 | 0.03510 |
| MDQ-5 | 250 | 200 | 0.02650 |
| MDQ-6 | 250 | 200 | 0.01715 |
| MDQ-6-1/4 | 250 | 200 | 0.01690 |
| MDQ-7 | 250 | 200 | 0.01375 |
| MDQ-8 | 32 | 1,000 | 0.01200 |
| MDQ-9 | 32 | 1,000 | 0.00888 |
| MDQ-10 | 32 | 1,000 | 0.00720 |
| MDQ-15 | 32 | 1,000 | 0.00410 |

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

Time-Current Curve



| Packaging | |
|-----------------------|---|
| Packaging Code Prefix | Description |
| BK | 100 pieces of fuses packed into a cardboard carton |
| BK1 | 1000 pieces of fuses packed into a cardboard carton |

| Option Code | |
|--------------------|--|
| Option Code Suffix | Description |
| B | Board Washable - Hermetically sealed to withstand aqueous cleaning |
| V | Axial leads - copper tinned wire with nickel plated brass overcaps |

North America

Cooper Electronic Technologies
 1225 Broken Sound Parkway NW
 Suite F
 Boca Raton, FL 33487-3533
 Tel: 1-561-998-4100
 Fax: 1-561-241-6640
 Toll Free: 1-888-414-2645

Cooper Bussmann
 P.O. Box 14460
 St. Louis, MO 63178-4460
 Tel: 1-636-394-2877
 Fax: 1-636-527-1607

Europe

Cooper Electronic Technologies
 Cooper (UK) Limited
 Burton-on-the-Wolds
 Leicestershire • LE12 5TH UK
 Tel: +44 (0) 1509 882 737
 Fax: +44 (0) 1509 882 786

Cooper Electronic Technologies
 Avda. Santa Eulalia, 290
 08223
 Terrassa, (Barcelona), Spain
 Tel: +34 937 362 812
 +34 937 362 813
 Fax: +34 937 362 719

Asia Pacific

Cooper Electronic Technologies
 1 Jalan Klang Timur
 #06-01 Pacific Tech Centre
 Singapore 159303
 Tel: +65 278 6151
 Fax: +65 270 4160

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

© 2008 Cooper Bussmann
 St. Louis, MO 63178
 www.cooperbussmann.com

