

S506

5 mm x 20 mm Time-delay glass tube fuses



Product features

- Time-delay, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube, nickel-plated brass endcap construction
- Designed to IEC 60127-2/3 (32mA-10A) & extensions:12.5A-15A

Agency information

- UL Recognized Card: Guide JDYX2, File E19180
- CSA Component Acceptance: Class number 1422-30&90 File 053787
- cURus Recognition: Guide JDYX8, File E19180
- SEMKO Approval: File 1518843, 1410180
- VDE Approval: File 40011926
- BSI Approval: File KM55676
- IMQ Approval: File E1921
- PSE/JET: File JET1641-31003-1019, JET1641-31003-1020
- CCC Approval: File 2005010207155693, 2002010207011294

Ordering information

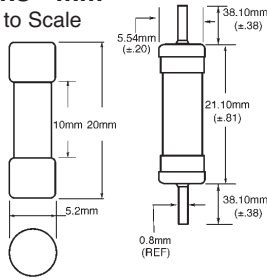
- Specify product code
- Insert packaging code prefix before part number. E.g. BK/S506-1-R
- Ratings above 4A have a 0.81mm diameter lead

| I _n | 2.1 I _n | | 2.75 I _n | | 4 I _n | | 10 I _n | |
|----------------|--------------------|--------|---------------------|--------|------------------|-------|-------------------|--|
| | max | min | max | min | max | min | max | |
| 32mA-100mA | 2 min | 200 ms | 10 sec | 40 ms | 3 sec | 10 ms | 300 ms | |
| 125mA-6.3A | 2 min | 600 ms | 10 sec | 150 ms | 3 sec | 20 ms | 300 ms | |
| 8A-15A | 2 min | 600 ms | 10 sec | 150 ms | 3 sec | 20 ms | 300 ms | |

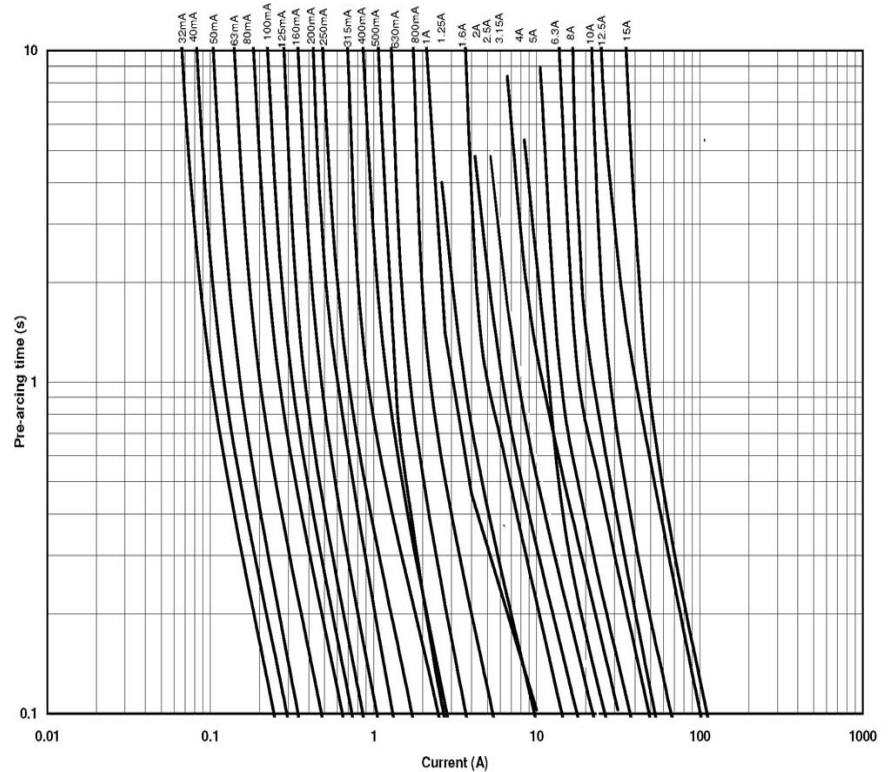
| Product Code | Voltage Rating Vac | Interrupting Rating (amps) at Rated Voltage (50Hz) Vac | Specifications | | | | Agency Approvals | | | | | | | |
|--------------|--------------------|--|---------------------------------|---------------------------|----------------------------|-----|------------------|-----|-------|----|-----|---------|-----|-------|
| | | | Typical DC Cold Resistance (Ω)* | Typical Melting Pt (amps) | Typical Voltage Drop (mV)‡ | IMQ | VDE | BSI | SEMKO | UR | CCC | PSE/JET | CSA | cURus |
| | | | | | | | | | | | | | | |
| S506-32-R | 250 | 35 | 21.0 | 0.0051 | 1050 | X | X | X | X | X | X | | | |
| S506-40-R | 250 | 35 | 13.90 | 0.0072 | 920 | X | X | X | X | X | X | | | |
| S506-50-R | 250 | 35 | 9.24 | 0.0095 | 800 | X | X | X | X | X | X | | | |
| S506-63-R | 250 | 35 | 6.96 | 0.021 | 760 | X | X | X | X | X | X | | X | |
| S506-80-R | 250 | 35 | 4.42 | 0.038 | 580 | X | X | X | X | X | X | | X | |
| S506-100-R | 250 | 35 | 2.80 | 0.045 | 490 | X | X | X | X | X | X | | X | |
| S506-125-R | 250 | 35 | 1.97 | 0.063 | 390 | X | X | X | X | X | X | | X | |
| S506-160-R | 250 | 35 | 1.27 | 0.093 | 320 | X | X | X | X | X | X | | X | |
| S506-200-R | 250 | 35 | 1.00 | 0.114 | 340 | X | X | X | X | X | X | | X | |
| S506-250-R | 250 | 35 | 0.640 | 0.265 | 270 | X | X | X | X | X | X | | X | |
| S506-315-R | 250 | 35 | 0.450 | 0.621 | 250 | X | X | X | X | X | X | | X | |
| S506-400-R | 250 | 35 | 0.31 | 0.872 | 210 | X | X | X | X | X | X | | X | |
| S506-500-R | 250 | 35 | 0.183 | 0.827 | 140 | X | X | X | X | X | X | | X | X |
| S506-630-R | 250 | 35 | 0.186 | 1.33 | 150 | X | X | X | X | X | X | | X | X |
| S506-800-R | 250 | 35 | 0.129 | 2.78 | 75 | X | X | X | X | X | X | | X | X |
| S506-1-R | 250 | 35 | 0.0757 | 6.45 | 87.5 | X | X | X | X | X | X | X | X | X |
| S506-1.25-R | 250 | 35 | 0.060 | 10.05 | 86 | X | X | X | X | X | X | X | X | X |
| S506-1.6-R | 250 | 35 | 0.0425 | 21.7 | 82 | X | X | X | X | X | X | X | X | X |
| S506-2-R | 250 | 35 | 0.03325 | 31.6 | 77 | X | X | X | X | X | X | X | X | X |
| S506-2.5-R | 250 | 35 | 0.0255 | 59.4 | 72.5 | X | X | X | X | X | X | X | X | X |
| S506-3.15-R | 250 | 35 | 0.0185 | 96.4 | 68.5 | X | X | X | X | X | X | X | X | X |
| S506-4-R | 250 | 40 | 0.0139 | 71.8 | 67 | X | X | X | X | X | X | X | X | X |
| S506-5-R | 250 | 50 | 0.00985 | 142.5 | 60.5 | X | X | X | X | X | X | X | X | X |
| S506-6.3-R | 250 | 63 | 0.0071 | 237.6 | 54 | X | X | X | X | X | X | X | X | X |
| S506-8-R | 250 | 80 | 0.007 | 255.8 | 55 | X | X | X | X | X | X | X | X | X |
| S506-10-R | 250 | 100 | 0.005 | 450 | 54 | X | X | X | X | X | X | X | X | X |
| S506-12.5-R | 250 | 125 | 0.004 | 1019.5 | 45 | | | | | X | X | X | X | X |
| S506-15-R | 250 | 125 | 0.004 | 1091.7 | 65.5 | | | | | X | X | X | X | X |

* DC Cold Resistance (measured at <10% of rated current)
‡ Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)

Dimensions - mm
Drawing Not to Scale



Nominal Time-Current Characteristics of S506-R



| Packaging Code | |
|-----------------------|---|
| Packaging Code Suffix | Description |
| BK | 100 fuses packed into a cardboard carton |
| BK1 | 1,000 fuses packed into a poly bag |
| TR2 | 1,500 fuses packed into tape on a reel (19.05mm lead wire length) |

| Option Code | |
|-------------|---|
| Option Code | Description |
| V | Axial leads - copper tinned wire with nickel plated brass endcaps |

Life Support Policy: Eaton 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.

Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin.

Eaton
Electronics Division
1000 Eaton Boulevard
Cleveland, OH 44122
United States
www.eaton.com/electronics

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. 4332 BU-SB08673
June 2017

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Cartridge Fuses](#) category:

Click to view products by [Eaton](#) manufacturer:

Other Similar products are found below :

[MBO-20](#) [MDM-4/10](#) [MDQ-V-15/100](#) [MDV-2-1/4](#) [MDX-1-6/10](#) [MDX-2](#) [MDX-3-2/10](#) [MDX-6-1/4](#) [FLSR-15](#) [FLSR-30](#) [FRS-1-6/10](#) [FRS-4/10](#) [H362003](#) [ABC-2](#) [1/2A](#) [AGC-15EX](#) [AGC-V-3-12-R](#) [AGY-50](#) [15019-G](#) [MSL-1-1/2](#) [MSL-3](#) [MSL-5](#) [BK1/C436-2A](#) [BK1/S500-3.15-R](#) [BK1-S501-3-15-R](#) [BK1-S505-1-R](#) [BK1-S505-5-R](#) [BK/C515S-250-R](#) [S501-V-10A](#) [301030](#) [303030](#) [FLA10](#) [FLA-4/10](#) [FLNR-5](#) [20.0M6.3X32F](#) [FSC-3.5A](#) [301001](#) [301020](#) [311008](#) [31301.5H-XP](#) [313.25](#) [313.75](#) [334006](#) [361.250](#) [362001](#) [36202.5](#) [362.500](#) [3AG3](#) [3AG5](#) [3AG8](#)