

5 x 20mm, Fast-Acting, Glass Tube Fuses

S500 Series



Description

- Fast-acting, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube with silver-plated (32-125mA) and nickel-plated (160mA-10A) endcaps
- Designed to IEC 60127-2 (160mA-10A)

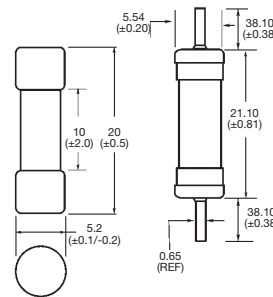
| Electrical Characteristics | | | | | | | |
|----------------------------|--------------------|--------------------|---------------------|------|------------------|-------|-------------------|
| I _n | 1.5 I _n | 2.1 I _n | 2.75 I _n | | 4 I _n | | 10 I _n |
| | min | max | min | max | min | max | max |
| 32mA-125mA | 60min | 30min | — | — | — | — | — |
| 160mA-6.3A | 60min | 30min | 50ms | 2sec | 10ms | 300ms | 20ms |
| 8A-10A | 30min | 30min | 50ms | 2sec | 10ms | 400ms | 40ms |

Agency Information

- cURus: File E19180, Guide JDYX2, JDYX8
- SEMKO Approval: File 913796
- VDE Approval: File 40014109
- BSI Approval: File KM55676
- IMQ Approval: File CA03.00097
- CCC Approval: File 2005010207155694
- PSE Approval File: JET1641-31003-1013, JET1641-31003-1014, JET1641-31003-1015, JET1641-31003-1016

Dimensions - mm

Drawing Not to Scale



- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

Ordering

Specify product code

- Insert packaging code prefix before part number. E.g., BK/S500-32-R

Specify option code if desired

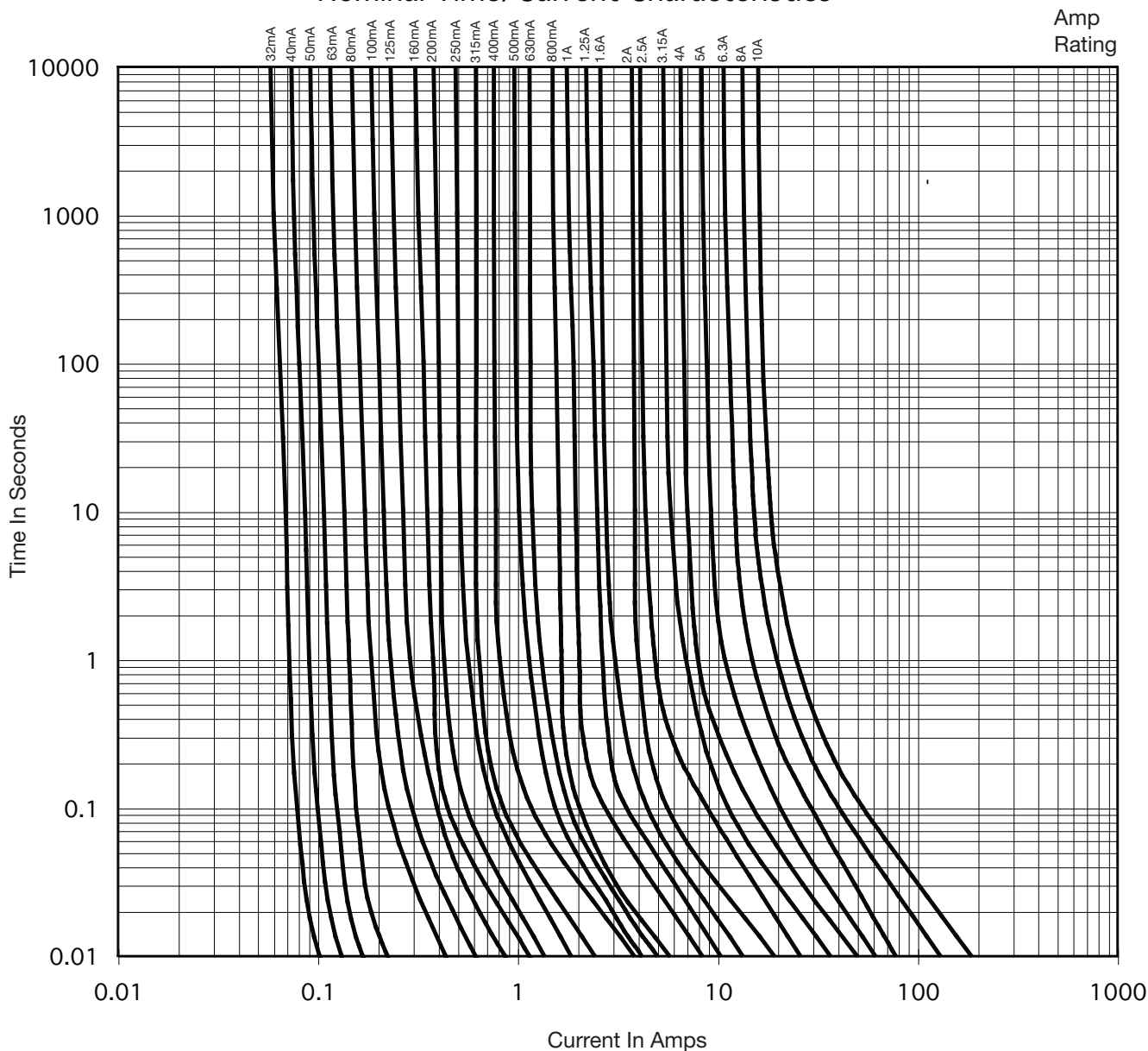
- For axial leads, insert "V" between catalog series and amp rating. E.g., S500-V-100-R

| Part Number | Voltage Rating Vac | Interrupting Rating at Rated Voltage (50Hz) Vac (amps) | Typical DC Cold Resistance (Ω)* | Typical Melting I [†] t AC [†] | Max Voltage Drop (mV) [‡] | Agency Information | | | | | | |
|-------------|--------------------|--|---------------------------------|--|------------------------------------|--------------------|-----|-----|-----|----------|-------|-----|
| | | | | | | cURus | CCC | BSI | VDE | PSE | SEMKO | IMQ |
| | | | | | | S500-32-R | 250 | 35 | 40 | 0.000047 | 3200 | |
| S500-40-R | 250 | 35 | 25 | 0.00011 | 2500 | | | | | | | |
| S500-50-R | 250 | 35 | 17 | 0.0002 | 2400 | | | | | | | |
| S500-63-R | 250 | 35 | 12.5 | 0.00057 | 2000 | | | | | | | |
| S500-80-R | 250 | 35 | 5 | 0.0012 | 1200 | | | | | | | |
| S500-100-R | 250 | 35 | 3.8 | 0.003 | 1100 | | | | | | | |
| S500-125-R | 250 | 35 | 2.8 | 0.005 | 1000 | | | | | | | |
| S500-160-R | 250 | 35 | 9.1 | 0.008 | 2000 | X | X | X | X | | X | X |
| S500-200-R | 250 | 35 | 6.8 | 0.016 | 1700 | X | X | X | X | | X | X |
| S500-250-R | 250 | 35 | 4.3 | 0.28 | 1400 | X | X | X | X | | X | X |
| S500-315-R | 250 | 35 | 3.1 | 0.58 | 1300 | X | X | X | X | | X | X |
| S500-400-R | 250 | 35 | 2 | 0.18 | 1100 | X | X | X | X | | X | X |
| S500-500-R | 250 | 35 | 0.26 | 0.18 | 220 | X | X | X | X | | X | X |
| S500-630-R | 250 | 35 | 0.2 | 0.35 | 220 | X | X | X | X | | X | X |
| S500-800-R | 250 | 35 | 0.14 | 0.67 | 190 | X | X | X | X | | X | X |
| S500-1-R | 250 | 35 | 0.125 | 0.6 | 200 | X | X | X | X | X | X | X |
| S500-1.25-R | 250 | 35 | 0.096 | 0.84 | 200 | X | X | X | X | X | X | X |
| S500-1.6-R | 250 | 35 | 0.066 | 1.6 | 190 | X | X | X | X | X | X | X |
| S500-2-R | 250 | 35 | 0.043 | 4.2 | 150 | X | X | X | X | X | X | X |
| S500-2.5-R | 250 | 35 | 0.034 | 6.1 | 150 | X | X | X | X | X | X | X |
| S500-3.15-R | 250 | 35 | 0.025 | 13 | 130 | X | X | X | X | X | X | X |
| S500-4-R | 250 | 40 | 0.021 | 22 | 130 | X | X | X | X | X | X | X |
| S500-5-R | 250 | 50 | 0.014 | 42 | 120 | X | X | X | X | X | X | X |
| S500-6.3-R | 250 | 63 | 0.01 | 69 | 120 | X | X | X | X | X | X | X |
| S500-8-R | 250 | 80 | 0.01 | NA | 120 | X | | X | X | X | X | |
| S500-10-R | 250 | 100 | 0.008 | NA | 120 | X | | X | X | X | X | |

* DC Cold Resistance (Measured at <10% of rated current)
[†] Typical Melting I[†]t (I[†]t was measured at listed interrupting rating and rated voltage)
[‡] Maximum Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)

Time-current Curve

Nominal Time/Current Characteristics



Packaging Code

| Packaging Prefix | Description |
|------------------|--|
| BK | 100 fuses packed into a cardboard carton |
| BK1 | 1000 fuses packed into a poly bag |
| TR2 | 1500 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 |

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