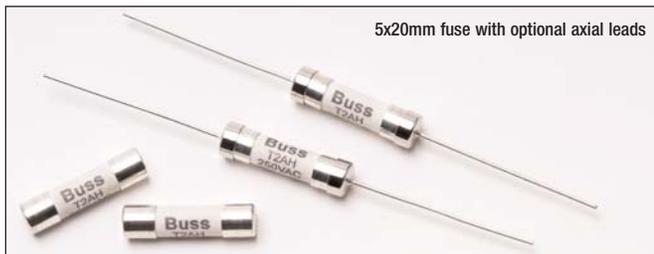
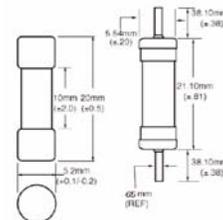


400Vdc/500-600Vac Time-Delay 5x20mm Fuses S505H Series

Preliminary



Dimensions - mm



Description

- Time-delay, high breaking capacity
- 5 x 20mm physical size
- Ceramic tube with plated end cap construction
- Designed to IEC 60127-2, Standard, Sheet 5
- RoHS Compliant, lead free and halogen free
- Optional axial leads available

Agency Information

S505H-XXX-R (Ferrule)

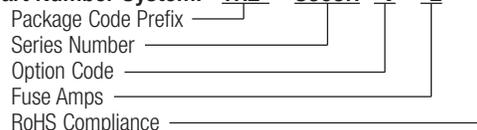
- cURus approval: Guide JFHR2, File E56412 and Guide JFHR8, File E56412
- CCC: 2A-4A, Cert. No.: 2010010207395946; 5A-6.3A Cert. No.: 2010010207390567
- CQC Approval: 8A-10A, Cert. No.: CQC10012043350
- TUV Approval: 2A-10A, Cert. No.: R50172128
- PSE Approval: 1A-5A, Cert. No.: JET1641-31003-1009; 6.3A-10A, Cert. No.: JET1641-31003-1011,

S505H-V-XXX-R (Axial Leads)

- PSE Approval: 1A-5A, Cert. No.: JET1641-31003-1010; 6.3A-10A, Cert. No.: JET1641-31003-1012
- cURus approval: Guide JFHR2, File E56412 and Guide JFHR8, File E56412

| Electrical Characteristics | | | | | | | | | | |
|----------------------------|-------------------|----------|-------------------|-------|--------------------|-------|-----------------|--------|------------------|--------|
| Amps | 1.5I _n | | 2.1I _n | | 2.75I _n | | 4I _n | | 10I _n | |
| | Min min. | Max min. | Min ms | Max s | Min ms | Max s | Min ms | Max ms | Min ms | Max ms |
| <1A | >60 | <30 | >250 | <80 | >50 | <5 | >5 | <150 | | |
| 1A-3.15A | >60 | <30 | >750 | <80 | >95 | <5 | >10 | <150 | | |
| 4A-6.3A | >60 | <30 | >750 | <80 | >150 | <5 | >10 | <150 | | |
| 8A-10A | >30 | <30 | >750 | <80 | >150 | <5 | >10 | <150 | | |

Part Number System: TR2- S505H -V -2 -R



Ordering

Specify product by package code prefix and option code.

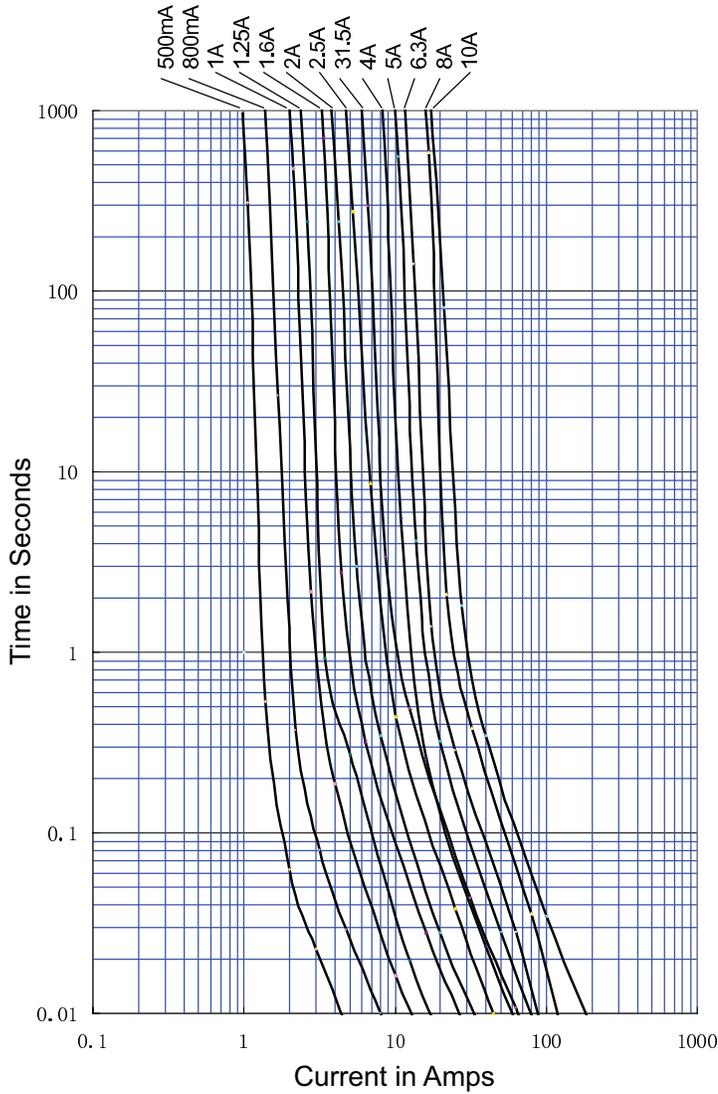
Specifications

| Catalog Number | Voltage Rating Vac | Max. Voltage Rating ¹ | | Interrupting Rating (A) ² Under | | | Typical DC Cold Resistance Ω ³ | Typical Voltage Drop (mV) ⁴ | Typical Value I ² t (A ² s) ⁵ | Agency Approvals | | | | | |
|----------------|--------------------|----------------------------------|-----|--|-----------|---------|---|--|--|------------------|------------------|------------------|---------|--------------------|---|
| | | AC | DC | 250 Vac | Max Volts | 400 Vdc | | | | 250Vac | | | | | |
| | | | | | | | | | | TUV ⁶ | CQC ⁶ | CCC ⁶ | PSE/JET | cURus ⁷ | |
| S505H-500-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.507 | 295 | 0.188 | | | | | | X |
| S505H-800-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.237 | 189 | 0.632 | | | | | | X |
| S505H-1-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.14 | 153 | 1.28 | | | | X | | X |
| S505H-1.25-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.108 | 150 | 2.22 | | | | X | | X |
| S505H-1.6-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.07 | 125 | 6.78 | | | | X | | X |
| S505H-2-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.055 | 128 | 11.44 | X | | X | X | | X |
| S505H-2.5-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.04 | 126 | 24.23 | X | | X | X | | X |
| S505H-3.15-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.031 | 121 | 43.55 | X | | X | X | | X |
| S505H-4-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.019 | 90 | 38.45 | X | | X | X | | X |
| S505H-5-R | 250 | 600 | 400 | 1500 | 100 | 1500 | 0.015 | 89 | 71.3 | X | | X | X | | X |
| S505H-6.3-R | 250 | 500 | 400 | 1500 | 100 | 500 | 0.011 | 80 | 111.4 | X | | X | X | | X |
| S505H-8-R | 250 | 500 | 400 | 1500 | 100 | 500 | 0.007 | 76 | 228.2 | X | X | | X | | X |
| S505H-10-R | 250 | 500 | 400 | 1500 | 100 | 500 | 0.006 | 72 | 349.5 | X | X | | X | | X |

1. Max. Voltage rating: Base on the breaking capacity test according to UL.
 2. - Breaking Capacity of 250VAC/1500A is tested by all agency approvals, test condition is 250Vac, PF: 0.7-0.8.
 - Breaking Capacity of Max. voltage is tested by UL, PF:1.
 - Breaking Capacity Test of DC is tested by UL under Capacitor Bank 4800mF (for 400V, 1500A), 2400mF (for 400V, 500A).

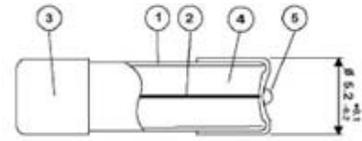
3. Cold Resistance: Measure at <10% rated current.
 4. Typical Voltage Drop: Voltage drop is measured under ambient 20°C with rated current
 5. Typical Pre-Arc I²t: Measured at 10I_n DC
 6. Does not apply to axial leaded versions.
 7. 600/500Vac, 400Vdc.

Time-Current Curves

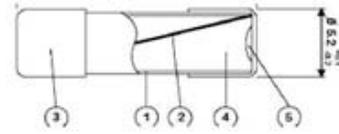


Construction

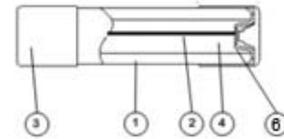
Preliminary



500-800mA

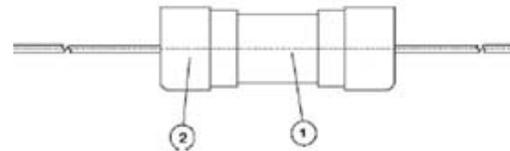


1-1.6 Amps



2 Amps & Above

1. Ceramic Tube
2. Wire Fuse Element
3. Plated Fuse Cap
4. Filler
5. Solder
6. Eyelet



Axial Leaded Versions

1. S505H-XXX-R
2. Axial Leaded Cap

Packaging Code

| Packaging Code Prefix | Description |
|-----------------------|--|
| BK- | 100 fuses packed into a cardboard carton with flaps folded |
| BK1- | 1000 fuses packed into a poly bag |
| TR2- | 1500 axial leaded fuses on tape and reel |

Option Code

| Option Code | Description |
|-------------|--|
| -V | Axial leads – copper tinned wire with nickel plated brass end caps |
| -R | RoHS compliant version |

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