

S506

5 mm x 20 mm Time-delay glass tube fuses

RoHS



Product features

- Time-delay, low breaking capacity
- Optional axial leads available
- 5 x 20 mm physical size
- Glass tube, nickel-plated brass endcap construction
- Designed to IEC 60127-1 & 2 (32 mA-10 A) & extensions: (12.5 A-15 A)
- Operating temperature: -40 °C to +125 °C

S506 Electrical characteristics

I_n	$2.1 I_n$ max	$2.75 I_n$ min	$4 I_n$ max	$10 I_n$ min	$10 I_n$ max
32mA-100mA	2 min	200 ms	10 sec	40 ms	3 sec
125 mA-6A	2 min	600 ms	10 sec	150 ms	3 sec
8 A-15 A	2 min	600 ms	10 sec	150 ms	3 sec

Agency information

- cURus Recognition: Guide JDYX8, JDYX2, File E19180
- CSA Component acceptance: Class number 1422-30&90 File 053787
- 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, JET1641-31003-1021, JET1641-31003-1022
- KC File number: SU05011-6001, SU05011-6002, SU05011-5005, SU05011-5006, SU05011-5007
- CCC Approval: File 2020970207000244

Ordering information

- The ordering code is the part number replacing the "." with a "-" plus adding the packaging prefix:
Cartridge: S506-3.15-R; BK-S506-3-15-R
Axial lead: S506-3.15-R; BK-S506-V-3-15-R
- Ratings above 4 A have a 0.81 mm diameter lead

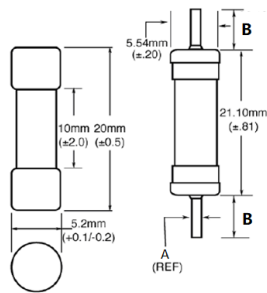
Specifications

Specifications														
Part number	Voltage rating (Vac)	Current rating (A)	Interrupting rating (A) at rated Voltage (50 Hz) Vac	Typical DC cold resistance (Ω)*	Typical melting i ² t (A ² s)	Typical voltage drop (mV)‡	Agency approvals							
							IMQ	VDE	BSI	SEMKO	UR	CCC	PSE/JET	CSA
S506-32-R	250	0.032	35	21.0	0.0051	1050	X	X	X	X	X	X		
S506-40-R	250	0.040	35	13.90	0.0072	920	X	X	X	X	X	X		
S506-50-R	250	0.050	35	9.24	0.0095	800	X	X	X	X	X	X		X
S506-63-R	250	0.063	35	6.96	0.021	760	X	X	X	X	X	X		X
S506-80-R	250	0.080	35	4.42	0.038	580	X	X	X	X	X	X		X
S506-100-R	250	0.100	35	2.80	0.045	490	X	X	X	X	X	X		X
S506-125-R	250	0.125	35	1.97	0.063	390	X	X	X	X	X	X		X
S506-160-R	250	0.160	35	1.27	0.093	320	X	X	X	X	X	X		X
S506-200-R	250	0.200	35	1.00	0.114	340	X	X	X	X	X	X		X
S506-250-R	250	0.250	35	0.640	0.265	270	X	X	X	X	X	X		X
S506-315-R	250	0.315	35	0.450	0.621	250	X	X	X	X	X	X		X
S506-400-R	250	0.400	35	0.31	0.872	210	X	X	X	X	X	X		X
S506-500-R	250	0.500	35	0.183	0.827	140	X	X	X	X	X	X		X
S506-630-R	250	0.630	35	0.186	1.33	150	X	X	X	X	X	X		X
S506-800-R	250	0.800	35	0.129	2.78	75	X	X	X	X	X	X		X
S506-1-R	250	1.0	35	0.0757	6.45	87.5	X	X	X	X	X	X	X	X
S506-1.25-R	250	1.25	35	0.060	10.05	86	X	X	X	X	X	X	X	X
S506-1.6-R	250	1.6	35	0.0425	21.7	82	X	X	X	X	X	X	X	X
S506-2-R	250	2.0	35	0.03325	31.6	77	X	X	X	X	X	X	X	X
S506-2.5-R	250	2.5	35	0.0255	59.4	72.5	X	X	X	X	X	X	X	X
S506-3.15-R	250	3.15	35	0.0185	96.4	68.5	X	X	X	X	X	X	X	X
S506-4-R	250	4.0	40	0.0139	71.8	67	X	X	X	X	X	X	X	X
S506-5-R	250	5.0	50	0.00985	142.5	60.5	X	X	X	X	X	X	X	X
S506-6.3-R	250	6.3	63	0.0071	237.6	54	X	X	X	X	X	X	X	X
S506-8-R	250	8.0	80	0.007	255.8	55	X	X	X	X	X	X	X	X
S506-10-R	250	10	100	0.005	450	54	X	X	X	X	X	X	X	X
S506-12.5-R	250	12.5	125	0.004	1019.5	45					X		X	X
S506-15-R	250	15	150	0.004	1091.7	65.5					X		X	X

* DC cold resistance (measured at <10% of rated current)

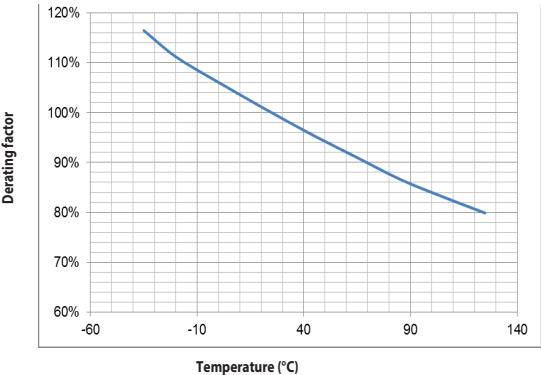
† Typical voltage drop (voltage drop was measured at +20 °C ambient temperature at rated current)

Dimensions - mm
Drawing Not to Scale

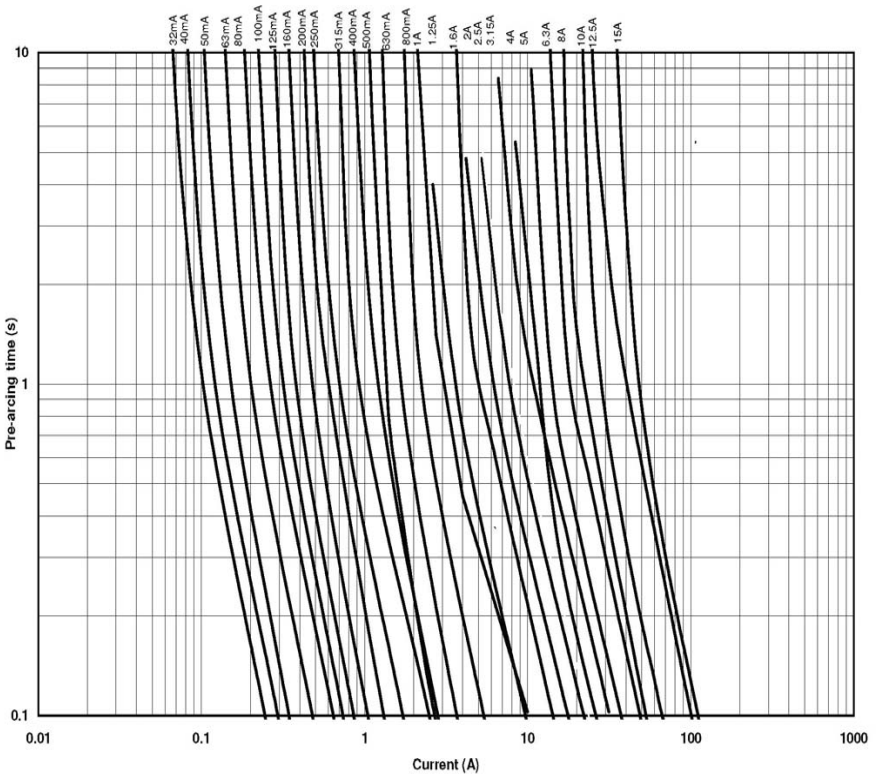


Dimension A: Rating below 5 A, 0.65 mm (ref.)
Rating above 5 A, 0.81 mm (ref.)
Dimension B: For BK- packaging, 38.1 ± 0.38 mm For TR2-
packaging, 15.8 ± 2 mm

Derating curve



Nominal time vs. current curve



Packaging code	
Packaging prefix	Description
Blank	5 pieces in a tin (cartridge only)
BK -	100 fuses packed into a cardboard carton (cartridge and axial lead)
BK1-	1,000 fuses packed into a poly bag (cartridge only)
TR2-	1,500 fuses packed into tape on a reel (axial lead only, 19.05 mm lead wire length)

Option code	
Option code	Description
-V	Axial leads

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