Effective June 2017 Supersedes July 2009

# **S506** 5 mm x 20 mm Time-delay glass tube fuses



**BUSSMANN** SERIES



#### **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

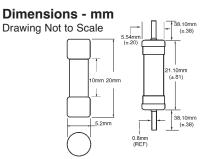
S506 Electrical Characteristics								
	2.1 l <sub>n</sub>	2.75 l <sub>n</sub>		4	l <sub>n</sub>	10 l <sub>n</sub>		
l In	max	min	max	min	max	min	max	
32mA-100mA	2 min	200 ms	10 sec	40 ms	3 sec	10 ms	300 ms	
125mA-6.3A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms	
8A-15A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms	

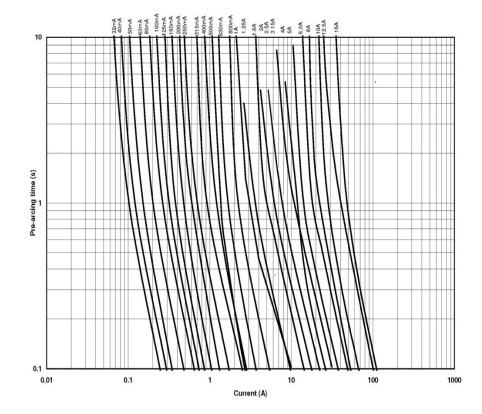
				Specifica										
	Voltage	Interrupting Rating	Typical DC	Typical	Typical	Agency Approvals								
Product	Rating	(amps) at Rated	Cold Resistance	Melting I <sup>2</sup> t	Voltage	IMQ	VDE	BSI	SEMKO	UR	CCC	PSE/	CSA	cURus
Code	Vac	Voltage (50Hz) Vac	(Ω)*	(amps)	Drop (mV)‡							JET		
S506-32-R	250	35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

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



## Nominal Time-Current Characterisitics 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

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