

# S501

# 5 mm x 20 mm Fast-acting ceramic tube fuses





#### **Product features**

- · Fast-acting high breaking capacity
- Optional axial leads available
- 5 mm x 20 mm physical size
- Ceramic tube with silver-plated (50 mA-400 mA) and nickel-plated (500 mA-10 A) endcaps.
- Designed to IEC 60127-2

### **Agency information**

• cURus: File E19180, Guide JDYX2, JDYX8 • CSA Component Acceptance: File 53787

• SEMKO Approval: File 413779 • VDE Approval: File 40015517 • IMQ Approval: File EB405

• CCC Approval: File 2005010207155691

• BSI Approval: File KM55676

## **Ordering information**

Specify packaging, product and option code

Ratings above 6.3 A have a 0.8 mm diameter lead

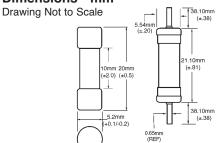
With TR2 packaging code, lead wire length is 19.05 mm

Electrical Characteristics								
_	1.5 l <sub>n</sub>	2.1 l <sub>n</sub>	2.7	5 l <sub>n</sub> 4 l <sub>n</sub>			10 l <sub>n</sub>	
l <sub>n</sub>	min	max	min	max	min	max	max	
50mA-4A	60 min	30 min	10 ms	2 sec	3 ms	300 ms	20 ms	
5A-6.3A	60 min	30 min	10 ms	3 sec	3 ms	300 ms	20 ms	
8A-10A	30 min	30 min	40 ms	20 sec	10 ms	1s	30 ms	

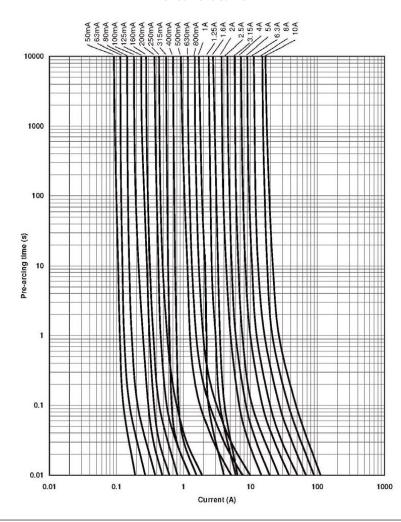
	Specifications Specification Specification Specification Specification Specification Specification Specificatio												
	Voltage	Interrupting Rating at	Typical DC	Typical	Typical			Α	gency App	rovals			
Product	Rating	Rated Voltage (50Hz)	Cold Resistance	Melting I 2t	Voltage	IMQ	VDE	BSI	SEMKO	cURus	CCC	MITI/	CSA
Code	Vac	Vac	(Ω)*	(amps)	Drop (mV)†							JET	
S501-50-R	250	1500	157.5	0.0017	9000	Х	Χ	Х	Χ	Х	Х		Х
S501-63-R	250	1500	39.0	0.0005	3300					X	X		Χ
S501-80-R	250	1500	27.9	0.0011	2600					X			Х
S501-100-R	250	1500	20.0	0.0018	2300					X			Х
S501-125-R	250	1500	12.3	0.0037	1900					X			Χ
S501-160-R	250	1500	8.5	0.008	1600	Х	Χ	Χ	Χ	X	X		Х
S501-200-R	250	1500	6.0	0.02	1350	Х	Χ	Χ	Χ	X	Χ		Χ
S501-250-R	250	1500	4.4	0.027	1300	Х	Χ	Х	Χ	X	X		Χ
S501-315-R	250	1500	3.3	0.01	1400	Х	Χ	Χ	Х	X	X		Х
S501-400-R	250	1500	2.2	0.018	1200					X			Х
S501-500-R	250	1500	0.460	0.038	1050	Х	Х	Х	Χ	Х	Х		X
S501-630-R	250	1500	0.340	0.064	1200					X			Х
S501-800-R	250	1500	0.245	0.097	490	Х	Х	Х	Χ	X	X		Χ
S501-1-R	250	1500	0.231	0.146**	330		Χ		Χ	X	X	X	
S501-1.25-R	250	1500	0.176	0.313**	297				Χ	X	X	X	
S501-1.6-R	250	1500	0.113	0.748**	239		Χ		Х	X	Х	Х	
S501-2-R	250	1500	0.073	2.0	205	Х	Х	Х	Х	Х	Х	Х	X‡
S501-2.5-R	250	1500	0.053	3.9	190	Х	Χ	Х	Χ	X	X	X	X‡
S501-3.15-R	250	1500	0.037	8.1	160	Х	Χ	Х	Х	Х	Х	Х	X‡
S501-4-R	250	1500	0.027	14	160	Х	Х	Х	Х	Х	Х	Х	X‡
S501-5-R	250	1500	0.019	25	155	Х	Х	Х	Х	Х	Х	Х	X‡
S501-6.3-R	250	1500	0.014	48	150	Х	Х	Х	Х	Х	Х		Х
S501-8-R	250	1500	0.009	104	102	Х	Х	Х	Х	Х			Х
S501-10-R	250	1500	0.008	155	111	Х	Х	Х	Х	Х			Х



# **Dimensions - mm**



#### **Time -Current Curve**



Packaging Code				
Packaging Code	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 (19.05 mm lead wire length)			

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

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#### Eaton

Electronics Division

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

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