## **BUSSMANN** SERIES

# SR-5 Subminiature time-delay fuses









#### **Product features**

- Radial leaded time-delay thru-hole fuse
- Designed to IEC 60127-3, Sheet 4
- Internationally accepted for primary and secondary overcurrent protection
- Place directly into PCB or plug into BK/PCS holder
- · High inrush withstand capability
- Compatible with leaded and lead-free reflow and wave solder

### **Agency information**

- KC: SU05011-9001 3.15 A  $\sim$  6.3 A, SU05011-9002 1 A  $\sim$  2.5 A, SU05011-9003 100 mA, SU05011-9004 125 mA  $\sim$  800 mA
- PSE+JET: JET1641-31007-1001 1 A ~ 5 A, JET1641-31007-1002 6.3 A
- CCC: 200901207370507 100 mA ~ 4 A
- SEMKO: 1412328 100 mA ~ 6.3 A
- cURus: Guide JDYX2, File E306920&E19180 and Guide JDYX8, File E306920&E19180 100 ma ~ 6.3 A
- VDE: File: 122052 100 ma ~ 4 A, 40020046 5 A ~ 6.3 A

#### **General specifications**

- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40 °C to +125 °C (with derating)

#### **Ordering information**

- The ordering code is the part number replacing
- the "." with a "-" plus adding the packaging
- suffix (i.e. SR5-1.25A; SR5-1-25A-BK)

Electrical Characteristics								
Rated	1.5 xl <sub>n</sub>	2.1 xl <sub>n</sub>	2.75 xl <sub>n</sub>		4 xl <sub>n</sub>		10 xl <sub>n</sub>	
current	min	max	min	max	min	max	min	max
100 mA-6.3 A	1 hr	2 min	400 mS	10 Sec	150 mS	3 Sec	20 mS	150 mS

Specifications											
	Voltage	Interrupting Typic			Voltage drop	Agency information					
Part	rating	rating (A)	Typical DC cold	melting**	mV @ +20 ℃						
number	Vac	@ rated voltage	resistance $(\Omega)$	l²t (@1mS)	rated current	VDE	SEMKO	cURus	CCC	KC-Mark	PSE
SR-5-100mA	250	35	2.37	0.015155	288.5	Х	х	x	X	x	
SR-5-125mA	250	35	1.6	0.026783	238	Х	Х	х	Х	Х	
SR-5-160mA	250	35	1.02	0.039097	196.5	Х	Х	Х	Х	Х	
SR-5-200mA	250	35	0.94	0.168832	215.5	Х	Х	х	Х	Х	
SR-5-250mA	250	35	0.66	0.24778	185	Х	Х	х	Х	Х	
SR-5-315mA	250	35	0.43	0.2772	152	Х	Х	х	Х	Х	
SR-5-400mA	250	35	0.285	0.771618	127	Х	Х	х	Х	Х	
SR-5-500mA	250	35	0.242	2	143.5	Х	х	х	Х	х	
SR-5-630mA	250	35	0.154	3.5	113	Х	Х	х	Х	Х	
SR-5-800mA	250	35	0.112	6.5	104.5	Х	Х	х	Х	Х	
SR-5-1A	250	35	0.085	7.5	100	Х	Х	Х	Х	Х	Х
SR-5-1.25A	250	35	0.061	13	91	Х	Х	х	Х	Х	х
SR-5-1.6A	250	35	0.043	24	102	Х	Х	х	Х	Х	Х
SR-5-2A	250	35	0.031	30	74.5	Х	Х	х	Х	Х	Х
SR-5-2.5A	250	35	0.024	45	72.5	Х	Х	х	Х	Х	Х
SR-5-3.15A	250	35	0.018	57	70.25	Х	Х	х	Х	Х	Х
SR-5-4A	250	40	0.012	80	62	Х	Х	Х	Х	Х	Х
*SR-5-5A	250	50	0.010	95.4	57.5	Х	Х	Х	Х	Х	Х
*SR-5-6.3A	250	63	0.008	200	60.85	Х	Х	Х	X	Х	Х

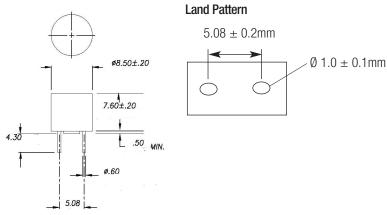
<sup>\*</sup> Conducting Path min. 0.2mm<sup>2</sup>

<sup>\*\*</sup> I<sup>2</sup>t value for 100 mA to 400 mA is measured at 100ln. I2t value for 500 mA to 6.3 A is measured at 10ln.

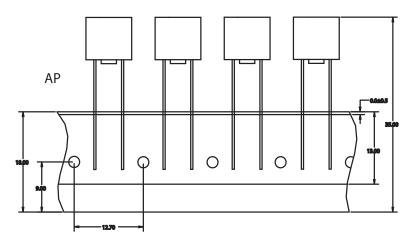


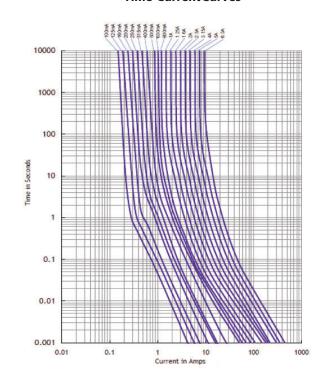
#### **Time-CurrentCurves**

#### Dimensions - mm



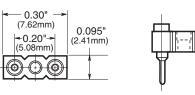
## Packaging Information - mm

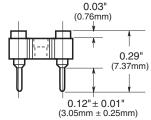




#### PCS Mounting Socket (RoHS compliant)- mm [in]

• Available as option. Specify catalog number BK-PCS (in bulk 100 per bag)





Packaging Code				
Packaging Code Suffix	Description			
-AP	Ammo-pack taped 1000 per box (see Packaging Information for lead configurations)			
-BK	In bulk 200 per bag (see Packaging Information for lead configurations)			

Life Support Policy: Eaton does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin.

#### Eaton

#### Electronics Division

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

© 2019 Eaton All Rights Reserved Printed in USA Publication No. 4347 PCN19017M December 2019

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

