COOPER Bussmann

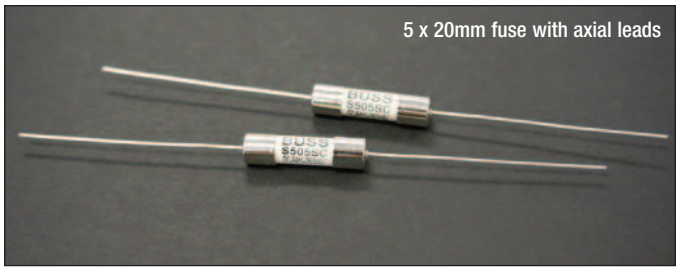
5 x 20mm Time-Delay, Leaded Ceramic Tube Fuses

S505SC Series

HALOGEN HF FREE

RoHS

Pb

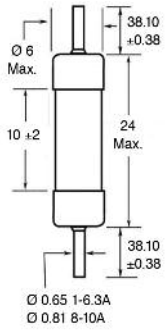


Description

- Time-delay, high breaking capacity
- Halogen free, lead free, RoHS compliant
- Nickel-plated brass endcap construction
- 5 x 20mm physical size
- Designed to IEC 60127-2

Dimensions - mm

- With TR2 packaging code, leadwire length is 19.05mm



Agency Information

- UL Recognized Card: File Guide JDYX2, File E19180, JDYX8, File E19180
- SEMKO: File 1219335
- VDE: File 40024252, 40037710 (1-8A)
- BSI: File KM55676
- IMQ: File CA03.00529
- PES+JET: File JET 1641-31003-1010, JET 1641-31003-2002
- CQC: 12012079823
- KC-Mark: File SU05011-12003, SU05011-12004, SU05011-12005A
- TUV: J50233218

Ordering

- Specify packaging code (insert packaging code prefix before part number) e.g., BK/ (or TR2/ or TR3/) S505SC-1-R

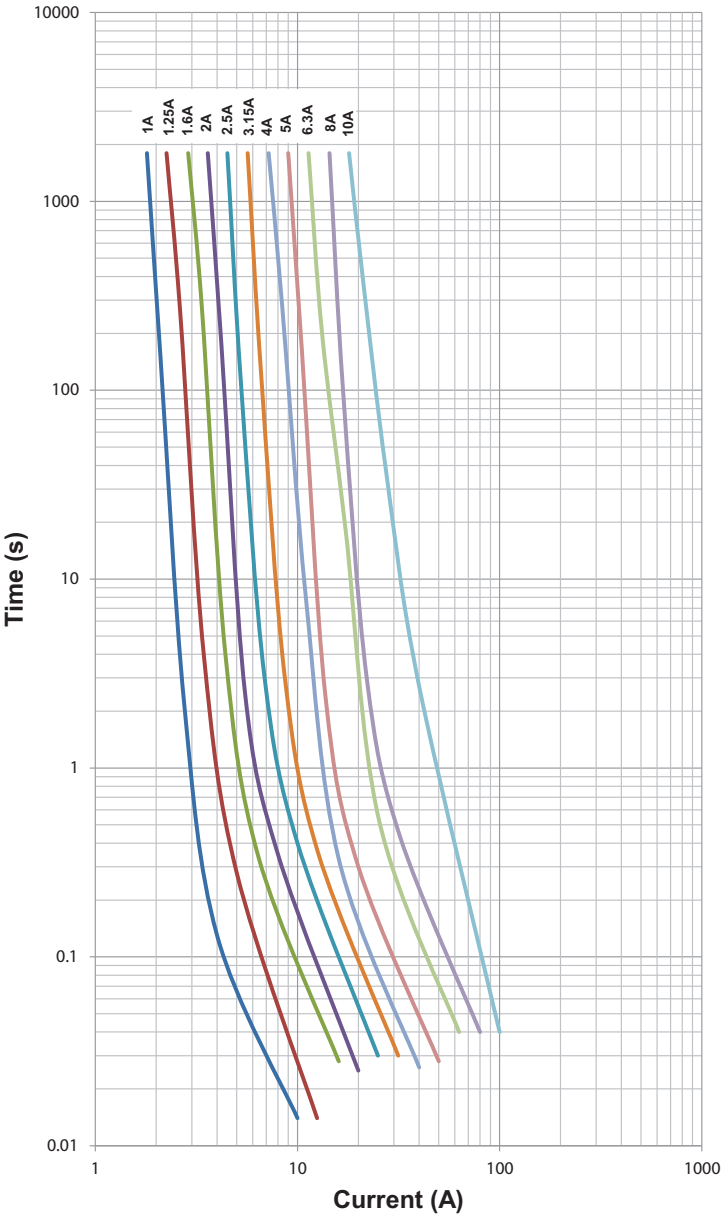
Electrical Characteristics								
	$1.5I_n$	$2.1I_n$	$2.75I_n$		$4I_n$		$10I_n$	
Amps	Min min.	Max min.	Min ms	Max s	Min ms	Max s	Min ms	Max ms
1A-3.15A	60	30	750	80	95	5	10	150
4A-6.3A	60	30	750	80	150	5	10	150
8A-10A	30	30	750	80	150	5	10	150

Specifications

Product Code	Voltage Rating AC	Interrupting Rating at Rated Voltage (50Hz) AC[1]	Typical DC Cold Resistance (Ω)[2]	Typical Pre-arching I^2t (A^2s)AC[3]	Typical Voltage Drop (mV)[4]	Agency Information								
						IMQ	VDE	SEMKO	cURus	CQC	PSE/ JET	KC	BSI	TUV
S5050SC-1-R	250	1500	0.169	1.38	180	X	X	X	X	X	X	X	X	X
S5050SC-1.25-R	250	1500	0.108	2.14	151	X	X	X	X	X	X	X	X	X
S5050SC-1.6-R	250	1500	0.070	7.35	130	X	X	X	X	X	X	X	X	X
S5050SC-2-R	250	1500	0.055	9.83	123.5	X	X	X	X	X	X	X	X	X
S5050SC-2.5-R	250	1500	0.040	19.9	119	X	X	X	X	X	X	X	X	X
S5050SC-3.15-R	250	1500	0.031	40.4	110	X	X	X	X	X	X	X	X	X
S5050SC-4-R	250	1500	0.018	41[X]	89.8	X	X	X	X	X	X	X	X	X
S5050SC-5-R	250	1500	0.013	71.2[X]	88	X	X	X	X	X	X	X	X	X
S5050SC-6.3-R	250	1500	0.010	152[X]	72.5	X	X	X	X	X	X	X	X	X
S5050SC-8-R	250	1500	0.007	237	82.5	X	X	X	X	X	X	X	X	X
S5050SC-10-R	250	1500	0.005	353	70	X	X	X	X	X	X	X	X	X

1. Interrupting ratings: 1A to 10A were measured at 70% to 80% PF on AC.
2. Typical DC Cold Resistance (measured at <10% of rated current).
3. Typical Pre-Arching I^2t (measured at listed interrupting rating and rated voltage if not specified); With "X" specified, the typical I^2t value is measured at 10 times of rated current under DC.
4. Typical Voltage Drop(Voltage Drop was measured at 20°C ambient temperature at rated current).

Time-Current Curves



Packaging Code	
Packaging Code Prefix	**Description**
BK/	20 fuses in a carrier, 5 carriers in a box (100 fuses per box)
TR2/	1500 fuses packed on tape and reel (52mm length in tape)
TR3/	1500 fuses packed on tape and reel (54mm length in tape)

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