COOPER Bussmann

5 x 20mm, Fast-Acting, Glass Tube Fuses

S500 Series

Description

- Fast-acting, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube with silver-plated (32-125mA) and nickel-plated (160mA-10A) endcaps
- Designed to IEC 60127-2 (160mA-10A)

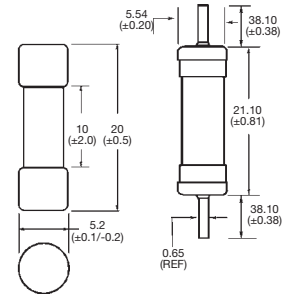
Electrical Characteristics							
	1.5 In	2.1 In	2.75 In		4 In		10 In
In	min	max	min	max	min	max	max
32mA-125mA	60min	30min	–	–	–	–	–
160mA-6.3A	60min	30min	50ms	2sec	10ms	300ms	20ms
8A-10A	30min	30min	50ms	2sec	10ms	400ms	40ms

Agency Information

- cURus: File E19180, Guide JDYX2, JDYX8
- SEMKO Approval: File 913796
- VDE Approval: File 40014109
- BSI Approval: File KM55676
- IMQ Approval: File CA03.00097
- CCC Approval: File 2005010207155694
- PSE Approval File: JET1641-31003-1013, JET1641-31003-1014, JET1641-31003-1015, JET1641-31003-1016

Dimensions - mm

Drawing Not to Scale





- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

Ordering

Specify product code

- Insert packaging code prefix before part number. E.g., BK/S500-32-R

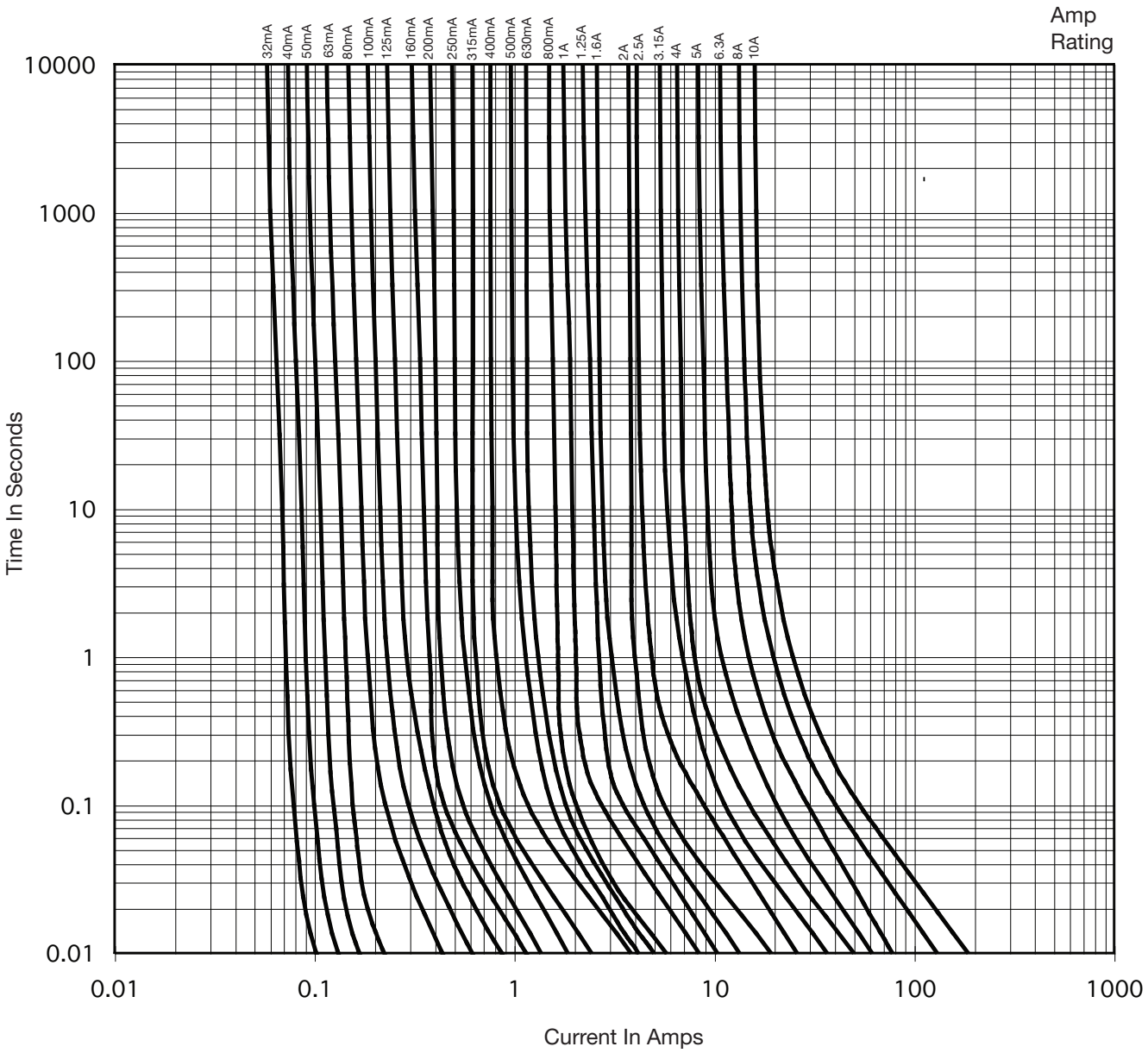
Specify option code if desired

- For axial leads, insert “V” between catalog series and amp rating. E.g., S500-V-100-R

Specifications													
Part Number	Voltage Rating Vac	Interrupting Rating at Rated Voltage (50Hz) Vac (amps)	Typical DC Cold Resistance (Ω)*	Typical Melting I^2t AC†	Max Voltage Drop (mV)‡	Agency Information						
						cURus	CCC	BSI	VDE	PSE	SEMKO	IMQ
S500-32-R	250	35	40	0.000047	3200							
S500-40-R	250	35	25	0.00011	2500							
S500-50-R	250	35	17	0.0002	2400							
S500-63-R	250	35	12.5	0.00057	2000							
S500-80-R	250	35	5	0.0012	1200							
S500-100-R	250	35	3.8	0.003	1100							
S500-125-R	250	35	2.8	0.005	1000							
S500-160-R	250	35	9.1	0.008	2000	X	X	X	X		X	X
S500-200-R	250	35	6.8	0.016	1700	X	X	X	X		X	X
S500-250-R	250	35	4.3	0.28	1400	X	X	X	X		X	X
S500-315-R	250	35	3.1	0.58	1300	X	X	X	X		X	X
S500-400-R	250	35	2	0.18	1100	X	X	X	X		X	X
S500-500-R	250	35	0.26	0.18	220	X	X	X	X		X	X
S500-630-R	250	35	0.2	0.35	220	X	X	X	X		X	X
S500-800-R	250	35	0.14	0.67	190	X	X	X	X		X	X
S500-1-R	250	35	0.125	0.6	200	X	X	X	X	X	X	X
S500-1.25-R	250	35	0.096	0.84	200	X	X	X	X	X	X	X
S500-1.6-R	250	35	0.066	1.6	190	X	X	X	X	X	X	X
S500-2-R	250	35	0.043	4.2	150	X	X	X	X	X	X	X
S500-2.5-R	250	35	0.034	6.1	150	X	X	X	X	X	X	X
S500-3.15-R	250	35	0.025	13	130	X	X	X	X	X	X	X
S500-4-R	250	40	0.021	22	130	X	X	X	X	X	X	X
S500-5-R	250	50	0.014	42	120	X	X	X	X	X	X	X
S500-6.3-R	250	63	0.01	69	120	X	X	X	X	X	X	X
S500-8-R	250	80	0.01	NA	120	X		X	X	X	X	
S500-10-R	250	100	0.008	NA	120	X		X	X	X	X	

* DC Cold Resistance (Measured at <10% of rated current)
† Typical Melting I^2t (I^2t was measured at listed interrupting rating and rated voltage)
‡ Maximum Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)

Time-current Curve



Packaging Code	
Packaging Prefix	**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 (19.05mm lead wire length)

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

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