

# 5 x 20mm Fuses

### S500 Series, Fast-Acting, Glass Tube

#### **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 ln	1.5 ln 2.1 ln 2.75 ln 4 ln						
ln l	min	max	min	max	min	max		
32mA-125mA	60 min	30 min	_	_	_	_	-	
160mA-6.3A	60 min	30 min	50 ms	2 sec	10 ms	300 ms	20 ms	
8A-10A	30 min	30 min	50 ms	2 sec	10 ms	400 ms	40 ms	

#### **Agency Information**

- cURus: File E19180, Guide JDYX2, JDYX8
- CSA Component Acceptance: File 1803366
- SEMKO Approval: File 414552 VDE Approval: File 40014109
- BSI Approval: File KM55676 IMQ Approval: File CA03.00097
- CCC Approval: File 2005010207155694

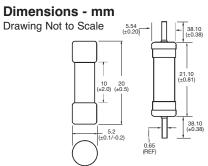
#### **Ordering**

Specify product code

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







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

Specify option code if desired

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

			Speci	fications								
	Voltage	Interrupting Rating	Typical DC	Typical	Maximum							
Part Number		(amps) at Rated	Cold Resistance	Melting I <sup>2</sup> t	Voltage	Agency Approvals			ls			
	Vac	Voltage (50Hz) Vac	(Ω)*	AC†	Drop (mV)‡	cURus	CSA	CCC	BSI	<b>VDE</b>	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	0.00020	2400							
S500-63-R	250	35	125	0.00057	2000							
S500-80-R	250	35	5.0	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	Х	Χ	Х	Х	Х	Х	Х
S500-200-R	250	35	6.8	0.016	1700	X	Χ	Χ	Х	Х	X	Х
S500-250-R	250	35	4.3	0.28	1400	X	Χ	Χ	Х	Х	X	Х
S500-315-R	250	35	3.1	0.58	1300	X	Χ	Χ	Х	Х	X	Χ
S500-400-R	250	35	2.0	0.18	1100	X	Χ	Χ	Х	Х	X	Х
S500-500-R	250	35	0.26	0.18	220	X	Χ	Χ	Х	Х	X	Х
S500-630-R	250	35	0.20	0.35	220	X	Χ	Χ	Х	Х	X	Х
S500-800-R	250	35	0.14	0.67	190	X	Χ	Χ	Х	Х	X	Х
S500-1-R	250	35	0.125	0.60	200	X	Χ	Χ	Х	Х	X	Х
S500-1.25-R	250	35	0.096	0.84	200	X	Χ	Χ	Х	Х	X	Х
S500-1.6-R	250	35	0.066	1.6	190	X	Χ	Χ	Х	Х	X	Х
S500-2-R	250	35	0.043	4.2	150	Х	Χ	Х	Х	Х	Х	Х
S500-2.5-R	250	35	0.034	6.1	150	Х	Χ	Χ	Х	Х	X	Х
S500-3.15-R	250	35	0.025	13	130	Х	Χ	Х	Х	Х	Х	Х
S500-4-R	250	40	0.021	22	130	Х	Χ	Х	Х	Х	Х	Х
S500-5-R	250	50	0.014	42	120	Х	Χ	Χ	Х	Х	X	Х
S500-6.3-R	250	63	0.010	69	120	Х	Χ	Х	Х	Х	Х	Х
S500-8-R	250	80	0.010	N/A	120	Х	Χ		Х	Х	Х	
S500-10-R	250	100	0.008	N/A	120	Х	Х		Х	Х	Х	

**COOPER** Bussmann

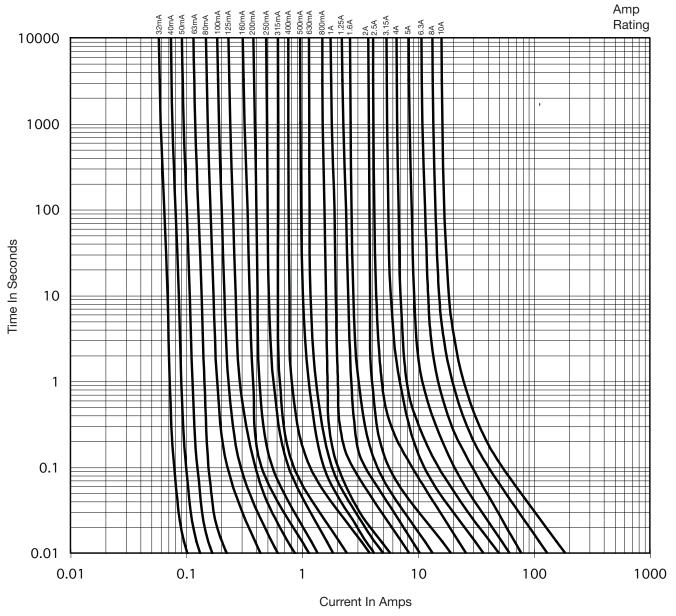
Data Sheet 2052

0209 BU-SB08761 Page 1 of 2

DC Cold Resistance (Measured at <10% of rated current)
Typical Melting I²t (I²t 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**

### Nominal Time/Current Characteristics



	Packaging Code					
Packaging Prefix	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

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann 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.

© 2009 Cooper Bussmann St. Louis, MO 63178 www.cooperbussmann.com









0209 BU-SB08761 Page 2 of 2 Data Sheet 2052

### 5 x 20mm Fuses

### S501 Series, Fast-Acting, Ceramic Tube

#### **Description**

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

Electrical Characteristics									
	1.5 l <sub>n</sub>	2.1 l <sub>n</sub>	2.1 l <sub>n</sub>   2.75 l <sub>n</sub>   4 l <sub>n</sub>   1						
ln	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		

#### **Agency Information**

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

 SEMKO Approval: File 413779 • VDE Approval: File 40015517

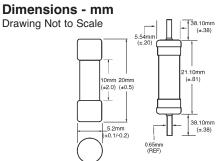
• IMQ Approval: File EB405

CCC Approval: File 2005010207155691

BSI Approval: File KM55676







#### **Ordering**

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

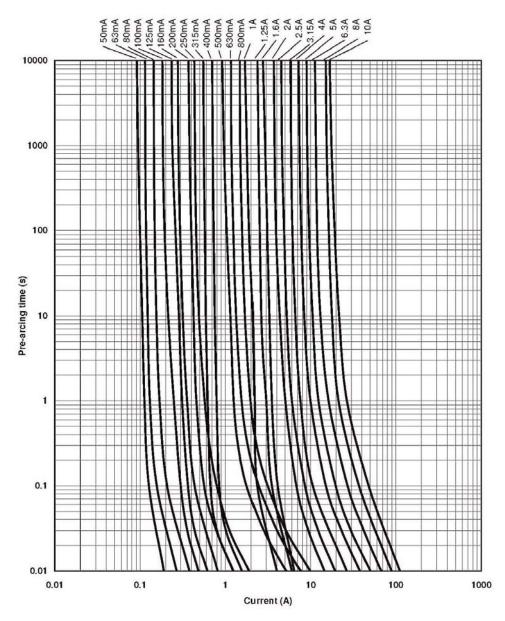
			S	pecificat	ions								
	Voltage	Interrupting Rating at		Typical	Typical			Α	gency Ap	provals			
Product	Rating	Rated Voltage (50Hz)	<b>Cold Resistance</b>	Melting I2t	Voltage	IMQ	VDE	BSI	SEMKO	cURus	CCC	MITI/	CSA
Code	Vac	Vac	(Ω)*	(amps)	Drop (mV)†							JET	
S501-50-R	250	1500	157.5	0.0017	9000	Χ	Χ	Х	Χ	X	Х		Х
S501-63-R	250	1500	39.0	0.0005	3300					X	Х		Х
S501-80-R	250	1500	27.9	0.0011	2600					Х			Х
S501-100-R	250	1500	20.0	0.0018	2300					Х			Х
S501-125-R	250	1500	12.3	0.0037	1900					Х			Х
S501-160-R	250	1500	8.5	0.008	1600	Х	Χ	Х	Χ	Х	Х		Х
S501-200-R	250	1500	6.0	0.02	1350	Χ	Χ	Х	Х	Х	Х		Х
S501-250-R	250	1500	4.4	0.027	1300	Х	Χ	Х	Х	Х	Х		Х
S501-315-R	250	1500	3.3	0.01	1400	Х	Χ	Х	Χ	Х	Х		Х
S501-400-R	250	1500	2.2	0.018	1200					Х			Х
S501-500-R	250	1500	0.460	0.038	1050	Х	Χ	Х	Х	Х	Х		Х
S501-630-R	250	1500	0.340	0.064	1200					Х			Х
S501-800-R	250	1500	0.245	0.097	490	Χ	Χ	Х	Χ	X	Х		Х
S501-1-R	250	1500	0.231	0.146**	330		Χ		Χ	X	Х	Χ	ĺ
S501-1.25-R	250	1500	0.176	0.313**	297				Χ	Х	Х	Χ	
S501-1.6-R	250	1500	0.113	0.748**	239		Χ		Χ	Х	Х	Χ	
S501-2-R	250	1500	0.073	2.0	205	Χ	Χ	Х	Χ	X	Х	Χ	X‡
S501-2.5-R	250	1500	0.053	3.9	190	Х	Χ	Х	Χ	Х	Х	Χ	X‡
S501-3.15-R	250	1500	0.037	8.1	160	Χ	Χ	Х	Χ	Х	Х	Χ	X‡
S501-4-R	250	1500	0.027	14	160	Х	Χ	Х	Х	Х	Х	Х	X‡
S501-5-R	250	1500	0.019	25	155	Χ	Χ	Χ	Х	Х	Χ	Χ	X‡
S501-6.3-R	250	1500	0.014	48	150	Χ	Χ	Х	Χ	Х	Х		X
S501-8-R	250	1500	0.009	N/A	N/A	Х	Χ	Χ	Χ	Х			Х
S501-10-R	250	1500	0.008	N/A	N/A	Х	Х	Х	X	Х			Х

**COOPER** Bussmann

Data Sheet 2051 0209 BU-SB08724 Page 1 of 2

DC Cold Resistance (measured at <10% of rated current)
I't of 1A, 1.25A & 1.6A is measured at 10In DC
Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)
CSA approvals on these ratings will not be marked on the fuse cap

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



Packaging Code						
Packaging Code	Packaging Code Description					
BK	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

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann 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.

© 2009 Cooper Bussmann St. Louis, MO 63178 www.cooperbussmann.com



Bussmann<sup>®</sup>

**PowerStor**®

Data Sheet 2051



0209 BU-SB08724 Page 2 of 2

# **Bussmann**<sup>®</sup>

### 5 x 20mm Fuses

### S505 Series, Time-Delay, Ceramic Tube

#### **Description**

- · Time-delay, high breaking capacity
- · Optional axial leads available
- Ceramic tube, silver-plated endcap construction (500mA-800mA), nickel-plated brass endcap construction (1-12A)
- Optional sleeve is flexible flouropolymer (UL flammability rating VW-1)
- 5 x 20mm physical size
- Designed to IEC 60127-2 (500mA-10A) & extension 12A

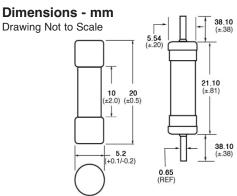
	Electrical Characteristics								
	1.5 ln	2.1 ln	2.7	5 In	41	n	10 ln		
In	min	max	min	min max		max	min	max	
<1A	60 min	30 min	250 ms	80s	50 ms	5s	5 ms	150 ms	
1A-3.15A	60 min	30 min	750ms	80s	95 ms	5s	10 ms	150 ms	
4A-6.3A	60 min	30 min	750ms	80s	150 ms	5s	10 ms	150 ms	
8A-12A	30 min	30 min	750ms	80s	150 ms	5s	10 ms	150 ms	

#### **Agency Information**

- UL Recognized Card: Guide JDYX2, File E19180
- CSA Component Acceptance: File 53787
- SEMKO: File 500496, 816547
- VDE: File 40014091, 40024352, 40023140
- BSI: File KM55676
- IMQ: File 00100, 00529
- PES+JET: File 1641-31003-1004,1641-31003-1011
- CCC: File 2002010207011295
- EK: File SU05011-4012A, SU0511-5014A
- FIMKO: File Fl21555







- Ratings above 4A have a maximum 0.81mm diameter lead
- · With TR2 packaging code, lead wire length is 19.05mm

#### **Ordering**

- · Specify packaging code
  - Insert packaging code prefix before part number.
     E.g. BK (or BK1)/S505-1-R

Data Sheet 2037

- · Specify option codes if desired
  - For axial leads, insert "V" between catalog series and amp rating. E.g., BK/S505-V-1-R

					Specific	ations								
	Voltage	Interrupting Rating (amps)	Typical DC Cold	Typical	Typical Voltage				٨٠	onou Ana	avo volo			
Part Number	Rating Vac	@ Rated Vac (50Hz)*	Resistance $(\Omega)^{**}$	Pre-arching	Drop	IMQ	VDE	SEMKO	- Agi	ency App CCC	PSEJET	CSA	EK	BSI
		\ /	. ,		(mV)‡		VDE		UL V		POEJET		EN	_
S505-500-R	250	1500	0.5070	0.188†	295	X	Λ	X	^	X		X		X
S505-800-R	250	1500	0.2370	0.632†	189	Х	Χ	Х	Χ	Х		Х		X
S505-1-R	250	1500	0.1401	1.28	152.5	Х	Χ	Χ	Χ	X	Χ	Χ	Χ	X
S505-1.25-R	250	1500	0.1075	2.22	150	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X
S505-1.6-R	250	1500	0.0700	6.78	125	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X
S505-2-R	250	1500	0.0545	9.60	118.5	X	Χ	Χ	Χ	X	Χ	Χ	Χ	Χ
S505-2.5-R	250	1500	0.0395	16.60	115	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
S505-3.15-R	250	1500	0.0305	36.60	102.5	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
S505-4-R	250	1500	0.0185	38.45†	86.5	X	Χ	Χ	Χ	X	Χ	Χ	Χ	Х
S505-5-R	250	1500	0.0131	71.30†	77.5	X	Χ	Χ	Χ	X	Χ	Χ	Χ	X
S505-6.3-R	250	1500	0.0033	197	75	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ
S505-8-R	250	1500	0.0067	311	75	Χ	Χ	Χ	Χ		Χ	Χ	Χ	Χ
S505-10-R	250	1500	0.0061	397	72	Χ	Χ	Х	Χ		Х	Х	Χ	Х
S505-12-R	250	1000	0.0053	713.7†	77		Χ		Х					

<sup>\*</sup> Interrupting ratings (500mA to 10A were measured at 70% to 80% PF on.

COOPER Bussmann

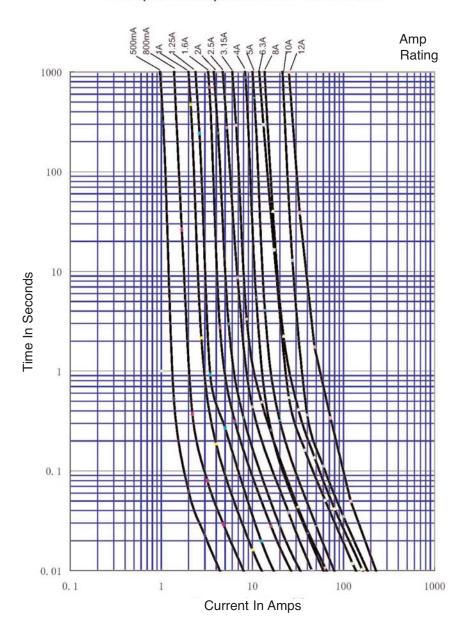
0409 BU-SB08329 Page 1 of 2

<sup>\*\*</sup> Typical DC Cold Resistance (Measured At <10% of rated current).

<sup>\*\*\*\*</sup> Typical Pre-Arching I't (Measured at listed interrupting rating and rated voltage if not specified).

<sup>†</sup> The typical I<sup>2</sup>t value was measured at 10 times of rated current under DC.

<sup>‡</sup> Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current).



Packaging Code						
Packaging Code Prefix	Packaging Code Prefix Description					
ВК	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 overcaps

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann 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.

© 2009 Cooper Bussmann St. Louis, MO 63178 www.cooperbussmann.com







Data Sheet 2037



0409 BU-SB08329 Page 2 of 2



### 5 x 20mm Fuses

### S506 Series, Time-Delay, Glass Tube

#### Description

- 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

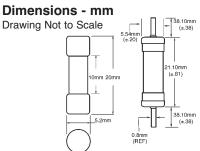
S506 Electrical Characteristics								
	2.1 l <sub>n</sub>	2.7	5 I <sub>n</sub>	4	l <sub>n</sub>	10 l <sub>n</sub>		
l <sub>n</sub>	max	min	max	min	max	min	max	
32mA-100mA	2 min	200 ms	10 sec	40 ms	3 sec	10 ms	300 ms	
125mA-6.3A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms	
8A-15A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms	

#### **Agency Information**

- UL Recognized Card: Guide JDYX2, File E19180
- CSA Component Acceptance: File 1803366
- cURus Recognition: Guide JDYX8, File E19180
- SEMKO Approval: File 507078, 415434, 806492
- VDE Approval: File 40011926
- BSI Approval: File KM55676
- IMQ Approval: File E1921, CA03.00530
- PSE/JET: File JET1641-31003-1005, JET1641-31003-1006
- · CCC Approval: File 2005010207155693, 2002010207011294







Ratings above 4A have a 0.81mm diameter lead

#### **Ordering**

Specify product code

· Insert packaging code prefix before part number. E.g. BK/S506-1-R

Specify option code if desired

 For axial leads, insert "V" between catalog series and amp rating. E.g. BK/S506-V-2-R

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

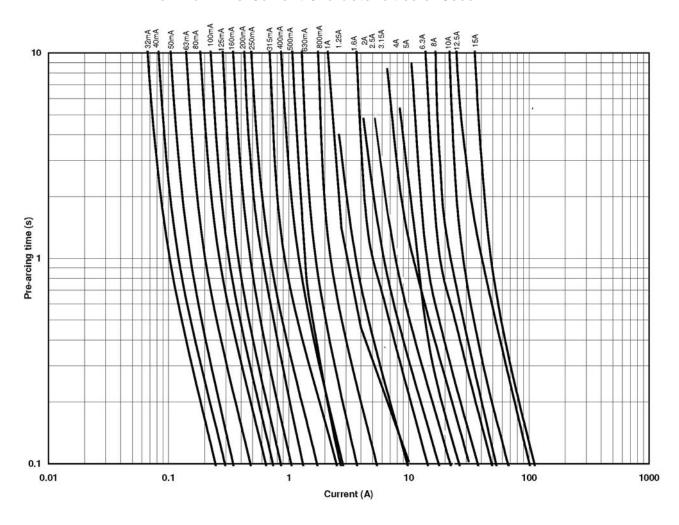
DC Cold Resistance (measured at <10% of rated current)
Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)

**COOPER** Bussmann

Data Sheet 4332

0709 BU-SB08673 Page 1 of 2

#### **Nominal Time-Current Characterisitics of S506-R**



Packaging Code						
Packaging Code Suffix	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		

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann 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.

© 2009 Cooper Bussmann St. Louis, MO 63178 www.cooperbussmann.com







Data Sheet 4332



0709 BU-SB08673 Page 2 of 2

# **TDC180 British Plug Top Fuse**

### Fast/Medium



Catalog Symbol:TDC180 **FAST/MEDIUM BRITISH PLUG TOP FUSE** 

240Vac

BS1362, IEC 269-3A

#### **Electrical Ratings (Catalog Symbol and Amperes)**

240Vac		
TDC180-1A	TDC180-5A	TDC180-13A
TDC180-2A	TDC180-7A	_
TDC180-3A	TDC180-10A	_

Rated Current	Rated Volt AC	Breaking Capacity	Power Dissipation Max.	Color	Approvals
1A				Black	
2A				Black	
3A	240	6000A		Red	
5A	(264 max.)	264VAC, 50Hz	1 Watt	Black	Asta,
7A	(204 1110x.)	p.f. 0.3 - 0.4		Black	ccc
10A				Black	
13A				Brown	

#### • Type TDC180.

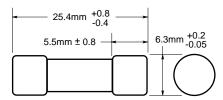
- 1/4" x 1" fast/medium British plug top fuse.
- Ceramic tube end caps: 2-5A nickel-plated brass
  - 1A & 7A silver-plated copper
  - 10-13A nickel-plated copper
- Packaging: x 10, x 100, x 1000.
- Weight: 2.25g ± 0.15g (2A to 13A inclusive)

CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.



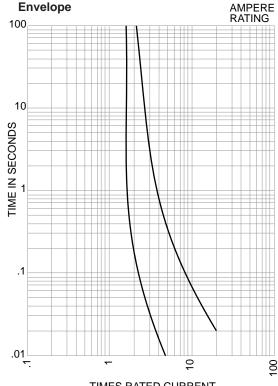
2002/95/EC (RoHS)

#### **Dimensional Data**



#### **Limits for Pre-arcing Time**

	1.0 ln.	1.6 In.	1.9 ln.		
In	MIN	MIN	MAX		
1A - 13A	1000 hours	30 min.	30 min.		



TIMES RATED CURRENT

The only controlled copy of this Data Sheet is the electronic read-only version located on the Bussmann Network Drive. All other copies of this Data Sheet are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Eaton manufacturer:

Other Similar products are found below:

BK1-S506-2-R BK/C520-4A BK/GMW-3/4 BK/MDL-V-12 BK/FRN-R-1/2 FHN31G1 CH222B SAMI-2I SAMI-6I LPN-RK-25SP ZE9

ZE6 LPN-RK-15SP BK/GMD-200MA LPN-RK-3SP BK/HBV-M BK/FRN-R-1 SAMI-1I 2499 GMC-500MA BK/AGC-3/10 BK/ETF-2

BK/AGC-1-6/10 BK/TDC180-2 AT-20 BK/HTB-92I BK/MDA-1 BK/SC-45 BK/C519-1A BK/MDA-2-1/2 BK/MDA-7 BK/C520-500MA

BK/GMC-300MA BK/MDA-15 BK/C519-2.5A BK/GMD-125MA BK/GMC-125MA BK/MDA-4 BK/C519-500MA BK/C519-1.5A

BK/AGC-1/8 BK/GMD-600MA BK/MDL-1-6/10 BK/ABC-6 AGC-1-2 BK/MDL-3-2/10 BK/GMA-3A 89096-015 8943K28 8946K153