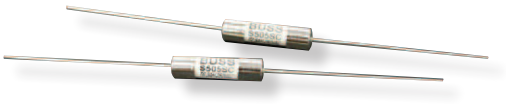
S505SC

5 x 20 mm Time-delay, axial lead ceramic tube fuses



5 x 20mm fuse with axial leads

Product description

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

Applications

Primary circuit protection:

- Power supplies
- LED lighting
- LED/LCD televisions
- Appliances and white goods
- Printers

Agency information

- cURus Recognition file number: E19180, Guide JDYX2/JDYX8
- SEMKO: File 1219335, 1310139
- VDE: File 40024252, 40037710 (1-8A)
- BSI: File KM55676
- IMQ: File CA03.00529
- PSE/JET: JET1641-31003-1010, JET1641-31003-2002, JET7042-31003-2001
- CQC: 12012079823, 13012103317
- KC-Mark: File SU05011-12003, SU05011-12004, SU05011-12005A; SU05030-13003A, SU05030-13004, SU05030-13005
- TUV: J50233218

Ordering

- Specify packaging prefix and part number as shown

Packaging prefix	Part number
BK/	S505SC-1-R

Packaging prefixes

- BK/ 20 parts in a carrier, 5 carriers in a box
- TR2/1500 parts per reel, tape width 52mm
- TR3/1500 parts per reel, tape width 54mm

Electrical characteristics

I_n	$1.5I_n$ min minute	$2.1I_n$ max minute	$2.75I_n$ min ms	max s	$4I_n$ min ms	max s	$10I_n$ 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

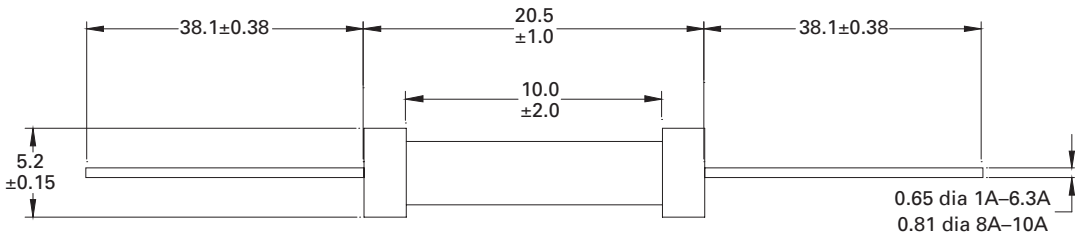
Product specifications

Part number[5]	Voltage rating AC	Interuppting rating at rated voltage (50 Hz) AC[1] (amps)	Typical DC cold resistance (Ω)[2]	Typical pre-arcing I^2t (A^2s)[3]	Typical voltage drop (mV)[4]	IMQ	VDE	SEMKO	cURus	PSE/ JET	KC	BSI	TUV
S505SC-1-R	250	1500	0.169	1.38	180	x	x	x	x	x	x	x	x
S505SC-1.25-R	250	1500	0.108	2.14	151	x	x	x	x	x	x	x	x
S505SC-1.6-R	250	1500	0.070	7.35	130	x	x	x	x	x	x	x	x
S505SC-2-R	250	1500	0.055	9.83	123.5	x	x	x	x	x	x	x	x
S505SC-2.5-R	250	1500	0.040	19.9	119	x	x	x	x	x	x	x	x
S505SC-3.15-R	250	1500	0.031	40.4	110	x	x	x	x	x	x	x	x
S505SC-4-R	250	1500	0.018	41.0	89.8	x	x	x	x	x	x	x	x
S505SC-5-R	250	1500	0.013	71.2	88	x	x	x	x	x	x	x	x
S505SC-6.3-R	250	1500	0.010	152	72.5	x	x	x	x	x	x	x	x
S505SC-8-R	250	1500	0.007	237	82.5	x	x	x	x	x	x	x	x
S505SC-10-R	250	1500	0.005	353	70	x		x	x	x	x	x	x

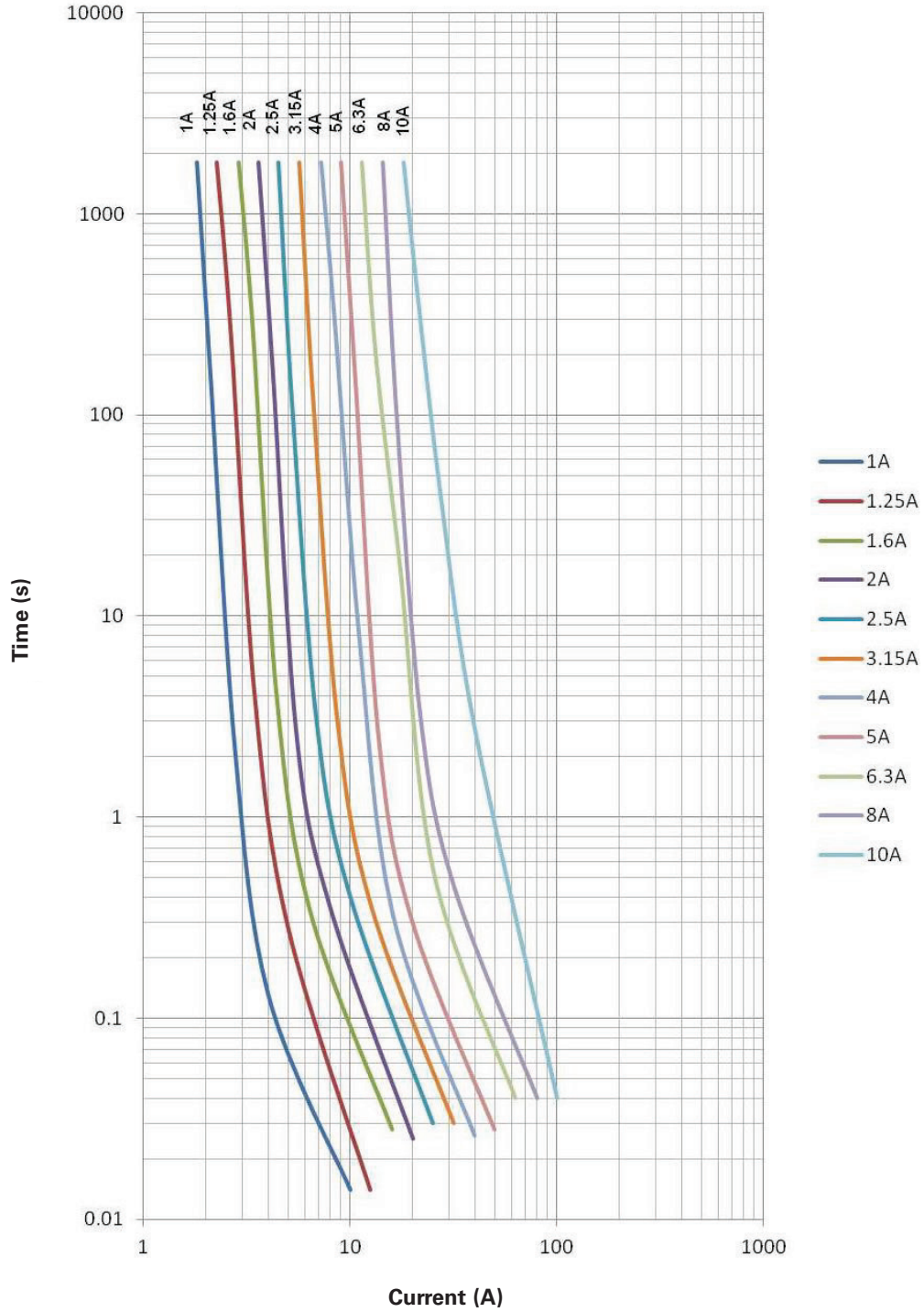
1 Interrupting ratings 1A to 10A were measured at 70% to 80% PF on AC.
2 Typical DC cold resistance measured at <10% of rated current .
3. Typical I^2t value is measured at 10 times the rated current under DC.
4. Typical voltage drop is measured at 20°C ambient temperature at rated current .
5. Part number definition: S505SC-xxx-R
S505 = Product code
SC = Single cap
xxx = Ampere rating
-R = RoHS compliant

Dimensions–mm

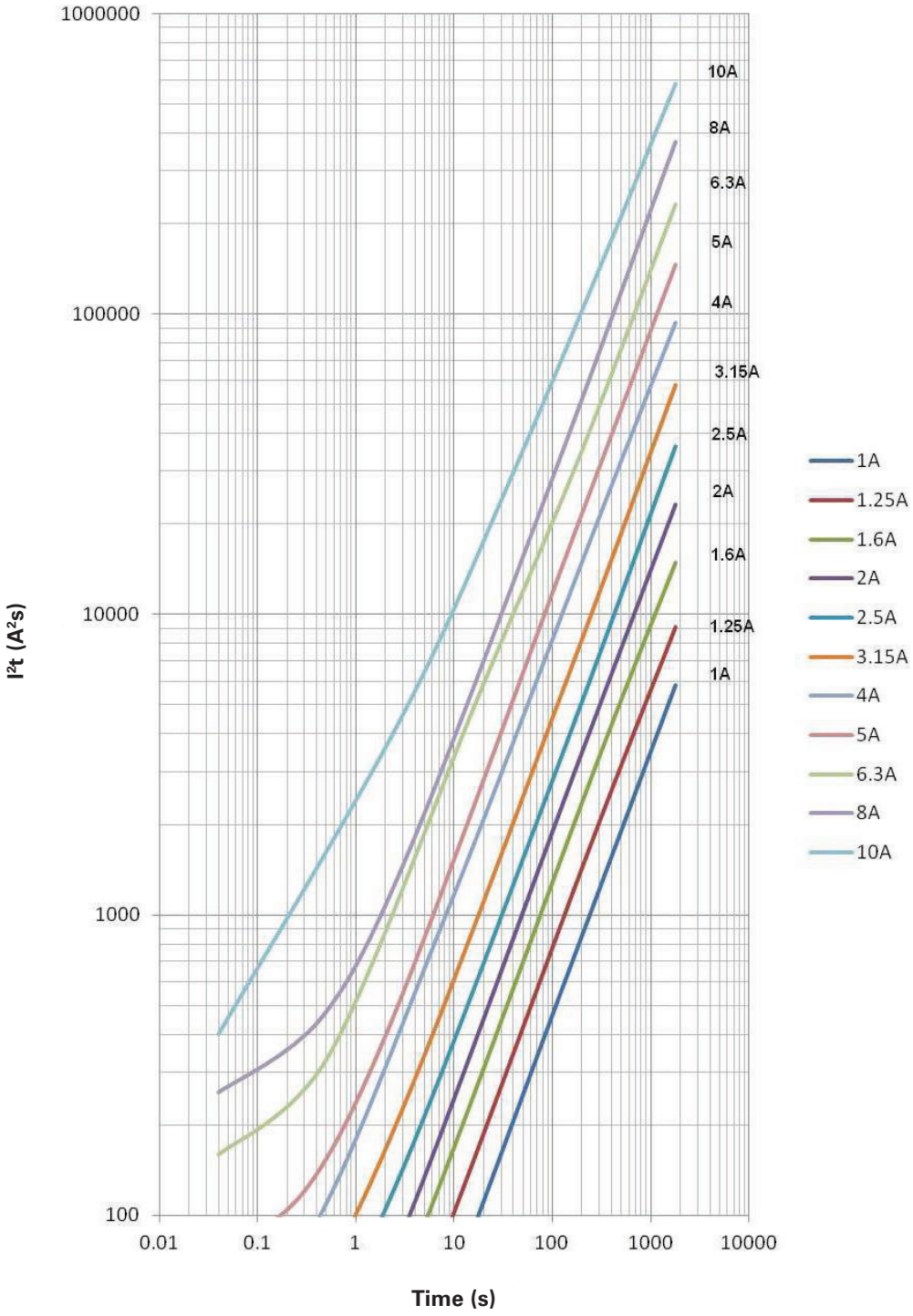
A
BK: 38.1±0.38
TR2: 15.0 typ
TR3: 16.0 typ



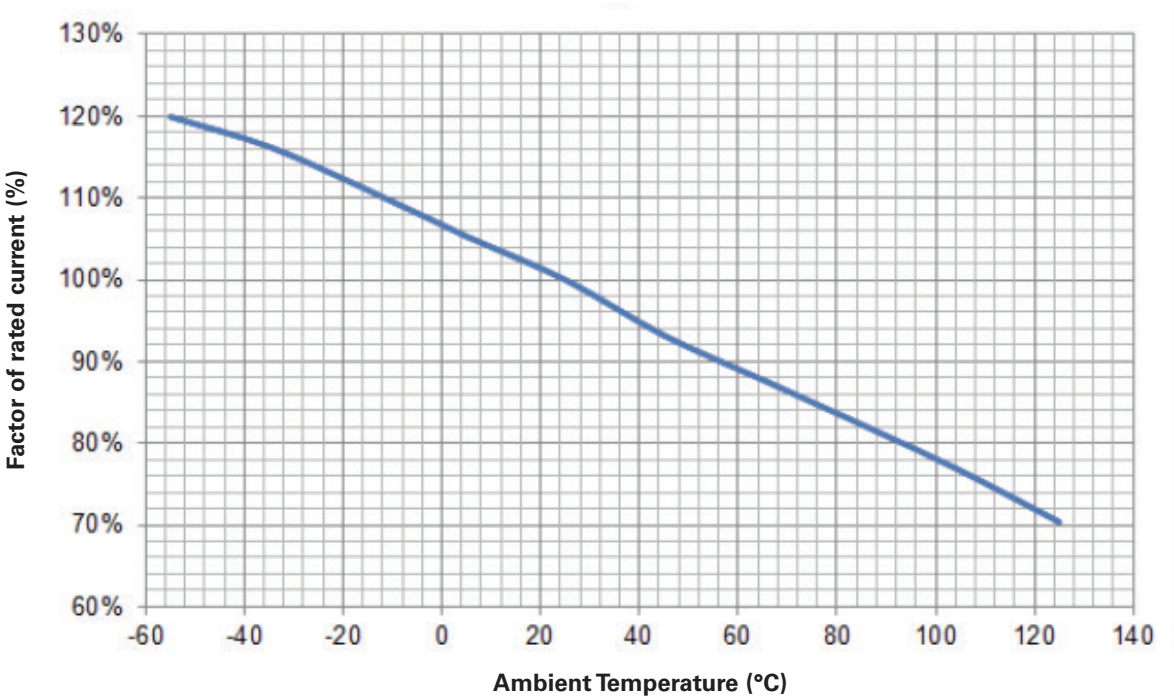
Time vs. current curve



I^2t vs. time curve



Temperature derating curve



Environmental data

Operating temperature: -55°C to 125°C (with derating)