

5x20mm Ceramic Time Lag Cartridge Fuses



DESCRIPTION

Time Lag 5x20mm ceramic fuses with high breaking capacity for use in electrical circuits. Suitable for use in a wide variety of applications. Constructed with a ceramic tube and electro-plated brass end caps. These fuses offer excellent quality and are tested for cold resistance and precise length.

DISTINCTIVE FEATURES

- 5x20mm size
- Ceramic tube
- Nickel-plated brass end caps
- Time Lag
- High breaking capacity
- VDE approved

APPLICATIONS

These time lag R-TECH 5 x 20mm fuses are used to provide safety protection within an electrical circuit. With their high breaking capacity, these fuses are ideal for providing supplementary protection against harmful over-currents in electrical appliances and equipment and protection for components and circuits.

5 x
20mm

Ceramic

Time Lag

250V

VDE



ELECTRICAL SPECIFICATION

IEC Compliant to	IEC 60127-2/V
Rated Voltage	250VAC
Rated Current	see table below
Voltage Drop (Max.)	see table below
Rated Power	see table below
IEC Acceptance (See derating curves)	See graph
Protection Class	Suitable for appliances with protection class 1 or 2 acc. to IEC 61140
Contact Resistance (typical cold)	see table below
Nominal Melting I ² T (A ² sec)	see table below

Electrical Characteristics at 25°C

Amp	Rated Current	Rated Voltage	Max Voltage Drop(mV)	Max.Power Dissipation (W)	Typical Cold Resistance (mΩ)	Nominal Melting I²t(A²sec)	Breaking Capacity	Approvals									
								VDE	CCC	cURus	PSE	CQC	TUV	KC	BSI	SEMKO	
0500	500mA	125V AC 250V AC	850	1.6	450	0.16	10KA@125V AC 1500A@250V AC	●	●	●	○	○	○	○	○	○	
0630	630mA		650	1.6	320	0.774		●	●	●	○	○	○	○	○	○	
0800	800mA		500	1.6	230	1.44		●	●	●	○	○	○	○	○	○	
1100	1.00A		350	2.5	150	3.42		●	●	●	●	○	○	●	●	●	
1125	1.25A		300	2.5	125	1.86		●	●	●	●	○	○	●	●	●	
1160	1.60A		200	2.5	65.0	5.76		●	●	●	●	○	○	●	●	●	
1200	2.00A		190	2.5	56.5	11.5		●	●	●	●	○	○	●	●	●	
1250	2.50A		180	2.5	40.0	9.61		●	●	●	●	○	○	●	●	●	
1315	3.15A		140	4	28.0	36.0		●	●	●	●	○	○	●	●	●	
1400	4.00A		100	4	20.0	33.0		●	●	●	●	○	○	●	●	●	
1500	5.00A		100	4	15.0	49.0		●	●	●	●	○	○	●	●	●	
1630	6.30A		100	4	11.0	110		●	●	●	●	○	○	●	●	●	
1800	8.00A		100	4	8.70	171.5		●	●	●	●	○	○	●	●	●	
2100	10.00A		100	4	6.80	250		●	●	●	●	○	○	●	●	●	
2120	12.00A		100	4	5.40	421		○	○	●	○	○	●	○	○	○	
2125	12.50A		100	4	5.00	484		○	○	●	●	●	●	○	○	○	
2150	15.00A		100	4	3.80	992		○	○	●	○	●	●	○	○	○	
2160	16.00A		100	4	3.44	1090		○	○	●	●	●	●	○	○	○	
2200	20.00A		100	4	2.45	2025		400A@125V AC 500A@250V AC	○	○	●	○	●	●	○	○	○
2250	25.00A		100	4	1.57	5466.5			○	○	●	○	○	●	○	○	○

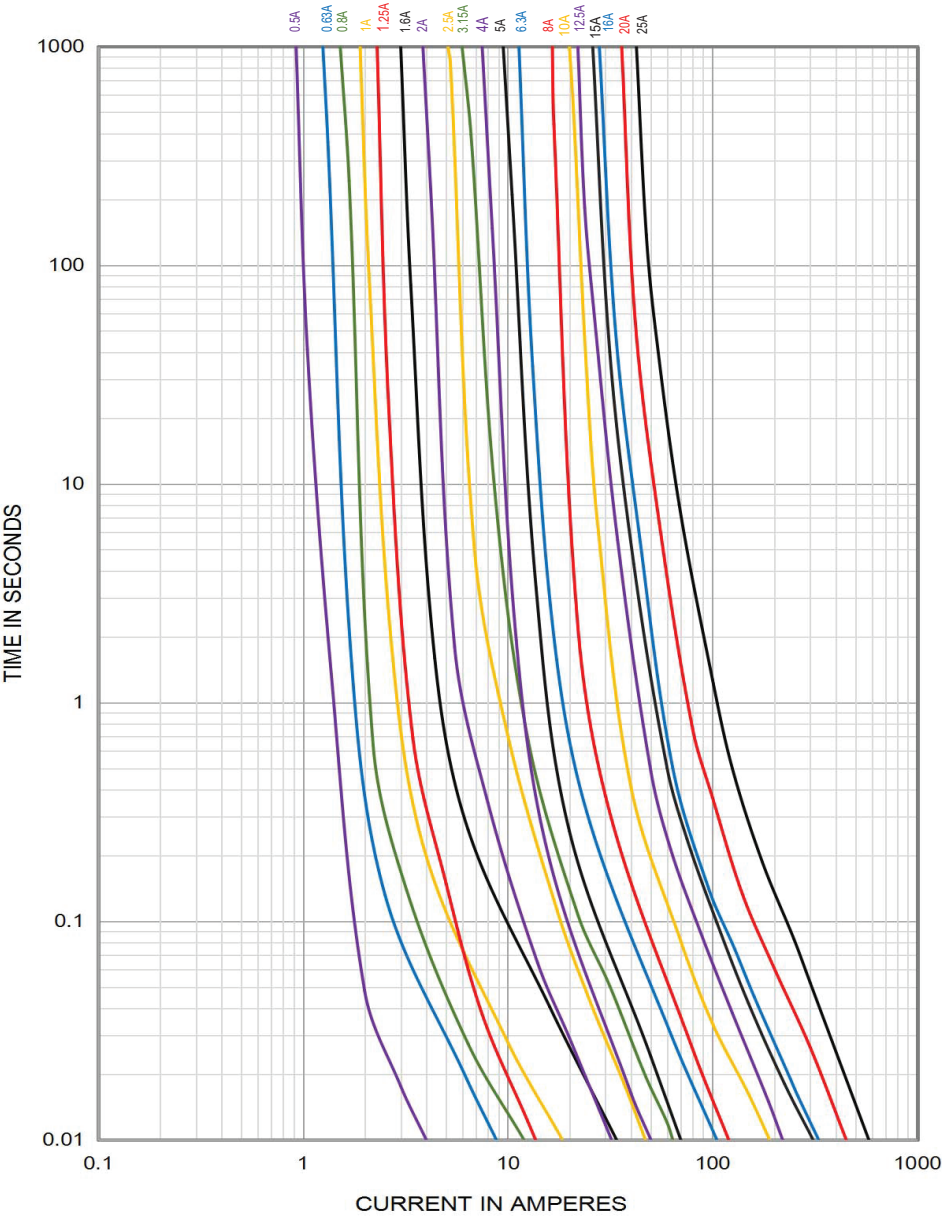
Note: (1) Permissible continuous operating current is ≤100% at ambient temperature of 23°C (73.4°F)
 (2) The cURus certification by 125V and 250V; the others certification only by 250V.
 (3) The current values used for calculating I²T should be within the standard range of 8ms ~ 10ms.

Time vs Current Charactersistics Table (measured with constant curent power supply)

Time vs Current Characteristics: IEC 60127-2/V					
Rated Current	150%	210%	275%	400%	1000%
500mA~800mA	>1h	<30min	250ms~80s	50ms~5s	5ms~150ms
1.00A~3.15A	>1h	<30min	750ms~80s	95ms~5s	10ms~150ms
4.00A~10.00A	>1h	<30min	750ms~80s	150ms~5s	10ms~150ms
12.00A~25.00A	>30min	<30min	750ms~80s	150ms~8s	10ms~150ms

Average Time Current (I-T) Curves

Average Current Curve(I-T Curve)





GENERAL SPECIFICATION

Series	Fuses
Type	Ceramic, cartridge
Fuse Action	Time Lag
Compatible Fuse Size (Diameter x Length)	5 x 20mm
Mounting Type	Fuse holder
Product Marking	Type, current, voltage, approvals



MATERIALS

Body	Ceramic tube
End cap	Brass, nickel-plated



ENVIRONMENTAL/OPERATING SPECIFICATION

Operating Temperature	-55°C to 125°C
Storage Temperature	10°C to 60°C
Storage RH	Max. 75% r.h
*Soldering Methods	Wave or Hand Soldering
*Solderability	260°C - 10sec acc. to IEC 60068-20
*Resistance to Soldering Heat	260°C/5sec (Wave soldering) 350°C/3sec (Hand soldering)
Vibration Resistance	120 cycles in 1 direction at 1min. each 10-55Hz, in X,Y,Z directions total acc. to MIL-STD-202, method 201A
RoHS	Yes
Lead-free	Yes
Halogen-free	Yes
Note: *Refers to lead cap types.	



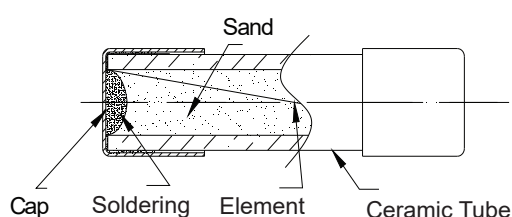
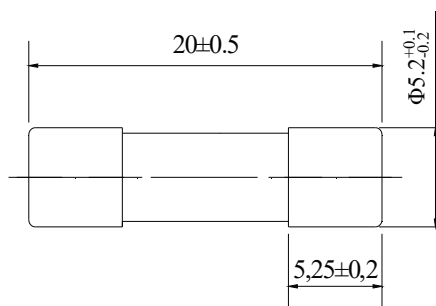
CERTIFICATION AND STANDARDS

Approvals - VDE	40025424, 40020107
Approvals - CE	-
Approvals - cURus	E300003
Approvals - CCC	2020970207000032
Approvals - PSE	PSE22022269, PSE22022267, PSE18021328, PSE22022309
Approvals - CQC	CQC17012183603
Approvals - SEMKO	SE-S-2201046
Standards - BSI	KM 677189
Standards - IEC	IEC 60127-2/V

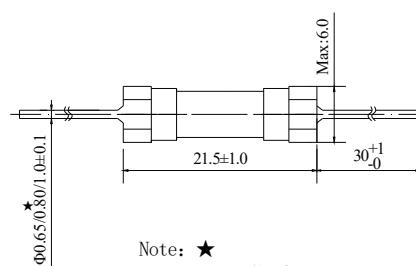
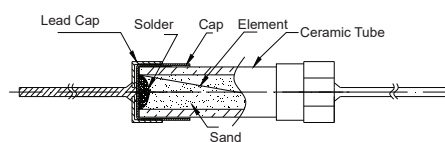


DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions (Summary)	20 x ø5mm
Length	20mm
Diameter	ø5mm
Weight	1.193g



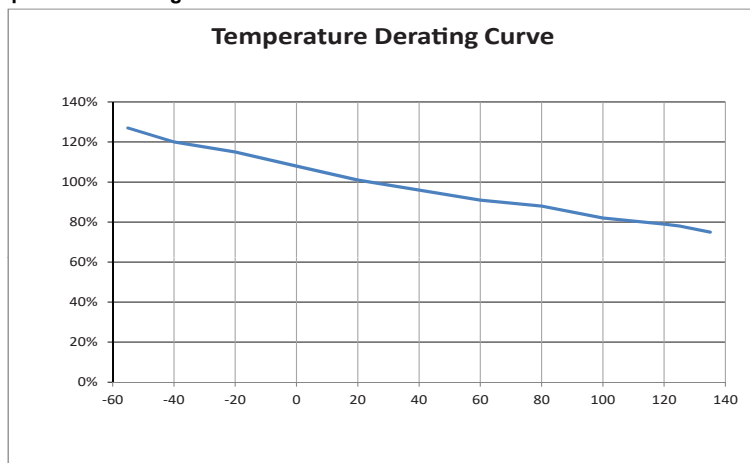
Optional Types (with leads)



Note: ★
 500mA~6.3A :: Ø0.65mm
 8.0A~12.5A :: Ø0.80mm
 15A~25A :: Ø1.00mm

Measurements are in mm
 unless stated otherwise.

Temperature Derating Curve



Calculation for ideal fuse selection = $\frac{\text{Operating Current (A)}}{\text{Rating (\% \times 0.75)}}$

Soldering Parameters

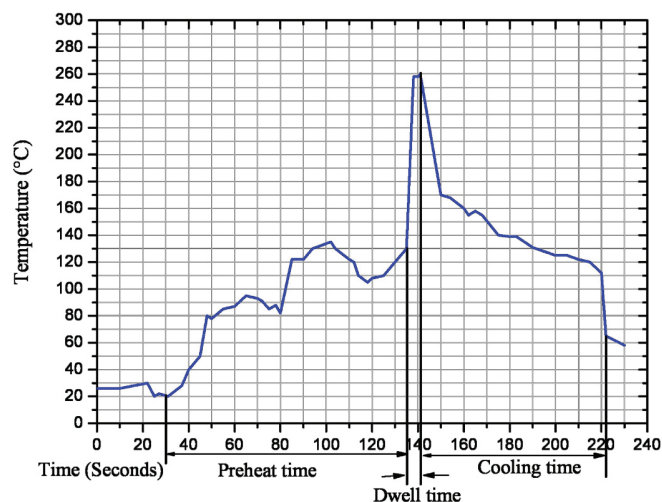
*260°C ≤ 5 sec. (Wave Soldering)

*350°C ≤ 3 sec. (Hand Soldering)

*Soldering Peak:

260°C - 10 sec. (IEC 60068-20)

Note: *Refers to lead cap types



OPTIONS (MOQ may apply)

Also available with leads:	Octagonal cap, diameter: 0.65mm
	Round cap, diameter: 0.65mm
	Octagonal cap, diameter: 0.8mm
	Round cap, diameter: 0.8mm
	Octagonal cap, diameter: 1.0mm
	Round cap, diameter: 1.0mm



PART NUMBER TABLE

Part Number Table	Current Rating	UNSPSC	EAN	Country of Origin
26-1366	500mA	39121607	5053556012640	China
26-1367	630mA	39121607	5053556012657	China
26-1368	800mA	39121607	5053556012664	China
26-1369	1A	39121607	5053556012671	China
26-1370	1.25A	39121607	5053556012688	China
26-1371	1.6A	39121607	5053556012695	China
26-1372	2A	39121607	5053556012701	China
26-1373	2.5A	39121607	5053556012718	China
26-1374	3.15A	39121607	5053556012725	China
26-1375	4A	39121607	5053556012732	China
26-1376	5A	39121607	5053556012749	China
26-1377	6.3A	39121607	5053556012756	China
26-1378	8A	39121607	5053556012763	China
26-1379	10A	39121607	5053556012770	China
26-1380	12A	39121607	5053556012787	China
26-1381	12.5A	39121607	5053556012794	China
26-1382	15A	39121607	5053556012800	China
26-1383	16A	39121607	5053556012817	China
26-1384	20A	39121607	5053556012824	China
26-1385	25A	39121607	5053556012831	China



Tried & trusted technology

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