

5x20mm Glass Time Lag Cartridge Fuses



DESCRIPTION

Time Lag 5x20mm glass fuses with low breaking capacity for use in electrical circuits. Suitable for use in a wide variety of applications. These fuses offer excellent quality and are tested for cold resistance and precise length.

DISTINCTIVE FEATURES

- 5x20mm size
- Glass tube
- Nickel-plated brass end caps
- Time Lag
- Low 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 low 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

Glass

Time Lag

250V

VDE



ELECTRICAL SPECIFICATION

IEC Compliant to	IEC 60127-2/III
Rated Voltage	250VAC
Rated Current (VDE)	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

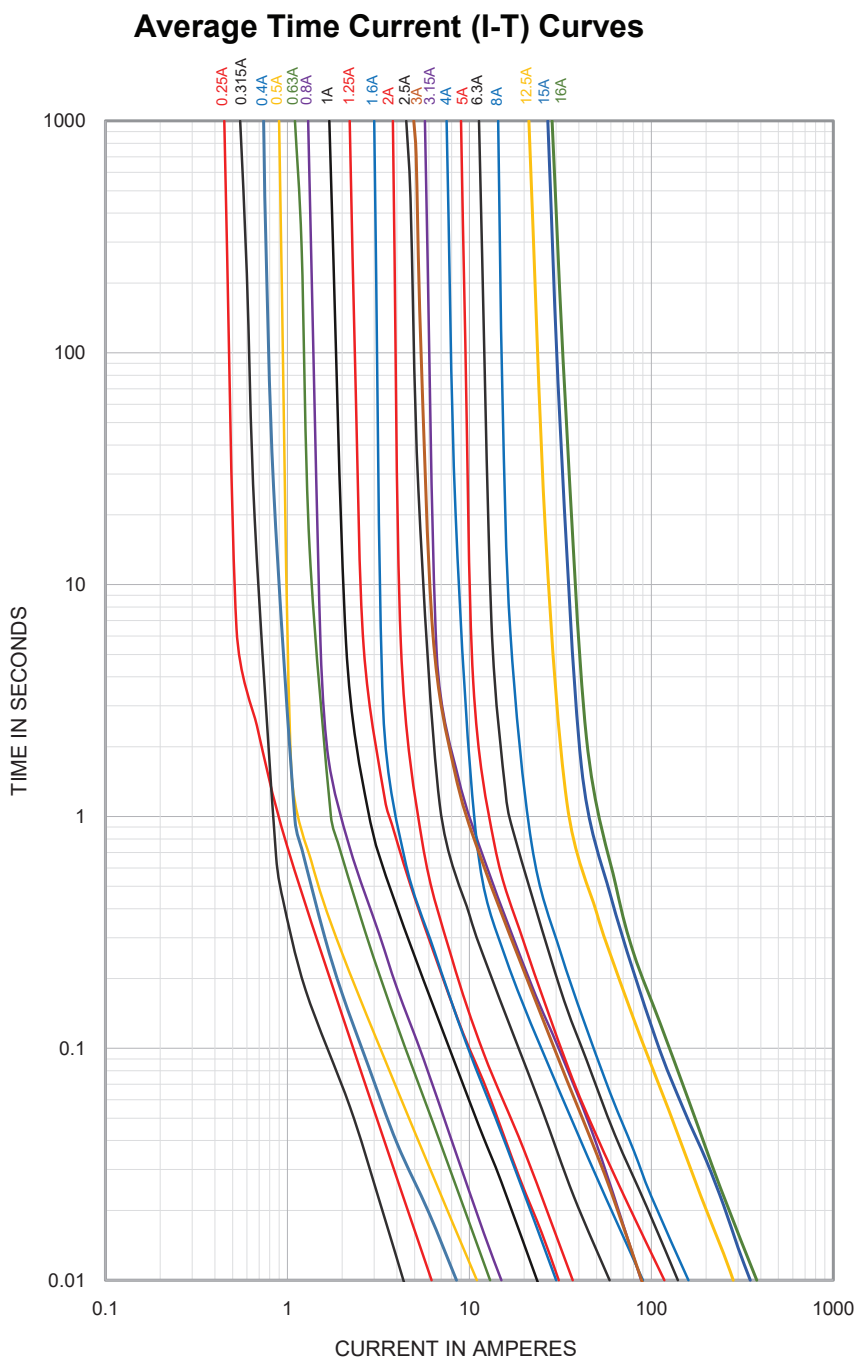
Amp	Rated Current	Rated Voltage	Max Voltage Drop(mV)	Max.Power Dissipation (W)	Nominal Melting I ² t(A ² sec)	Typical Cold Resistance (mΩ)	Breaking Capacity	Approvals						
								VDE	CQC	cURus	PSE	CCC	KC	TUV
0250	250mA	250V AC	1300	1.6	0.384	860	35A or 10In@250V AC	○	○	●	○	●	○	●
0315	315mA		1100	1.6	0.462	320		○	○	●	○	●	○	●
0400	400mA		1000	1.6	0.723	225		○	○	●	○	○	○	●
0500	500mA		900	1.6	1.21	185.3		●	○	●	○	●	○	○
0630	630mA		300	1.6	1.69	135		○	○	●	○	○	○	○
0800	800mA		250	1.6	2.25	96.3		○	○	●	○	○	○	○
1100	1.00A		150	1.6	5.52	71.0		●	○	●	●	●	○	○
1125	1.25A		150	1.6	9.61	51.0		○	○	●	○	○	○	●
1150	1.50A		150	1.6	6.25	65.0		○	○	●	○	○	○	○
1160	1.60A		150	1.6	9.00	42.0		●	○	●	●	●	○	○
1200	2.00A		150	1.6	13.7	32.0		●	○	●	●	●	○	○
1250	2.50A		120	1.6	36	41.5		●	○	●	●	●	○	○
1300	3.00A		120	1.6	78	19.1		○	○	●	○	○	○	○
1315	3.15A		100	1.6	98	17.2		●	○	●	●	●	●	○
1400	4.00A		100	1.6	81	14.3		●	○	●	●	●	○	○
1500	5.00A		100	1.6	230	10.8		●	○	●	●	●	●	○
1630	6.30A		100	1.6	153	8.20		●	○	●	●	●	●	○
1800	8.00A		100	4	256	6.50		●	●	●	○	○	○	○
2100	10.00A		100	4	435	5.30		●	●	●	●	○	○	○
2120	12.00A		100	4	676	4.10		○	○	●	○	○	○	●
2125	12.50A		100	4	780	3.90		●	●	●	●	○	○	○
2150	15.00A		100	4	1100	3.10		○	○	●	●	○	○	●
2160	16.00A		100	4	1444	3.00		○	●	○	○	○	○	●

Note: 1. Permissible continuous operating current is 100% at ambient temperature of 23°C (73.4°F)
 2. 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/III					
Rated Current	150%	210%	275%	400%	1000%
100mA	>1h	<2min	200ms-10s	40ms-3s	10ms~300ms
125mA~10A	>1h	<2min	600ms~10s	150ms~3s	20ms~300ms
12A~16A	>30min	<5min	600ms~15s	150ms~5s	20ms~400ms

Average Time Current (I-T) Curves





GENERAL SPECIFICATION

Series	Fuses
Type	Glass, 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	Glass 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.	



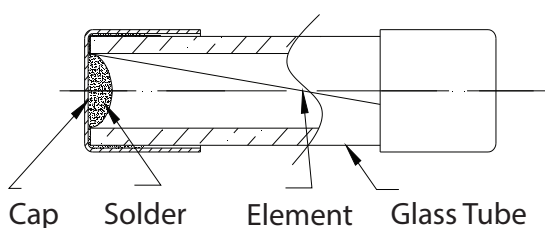
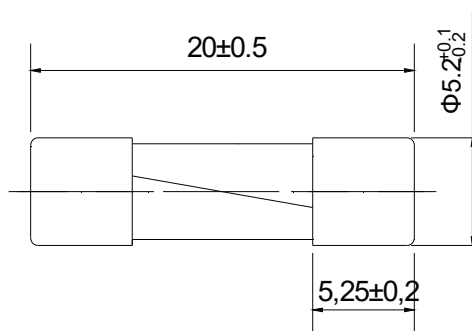
CERTIFICATION AND STANDARDS

Approvals - VDE	40019022, 40042731
Approvals - CE	-
Approvals - cURus	E300003
Approvals - CCC	2020970207000052
Approvals - PSE	PSE22022268, PSE22022170, PSE22022188, PSE20021672
Approvals - CQC	CQC05012012795, CQC06012017150
Standards - IEC	IEC 60127-2/II

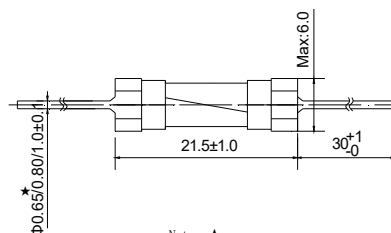
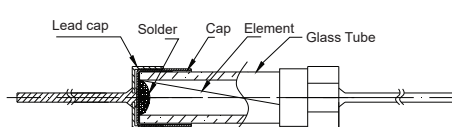


DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions (Summary)	20 x ø5mm
Length	20mm
Diameter	ø5mm
Weight	0.955g



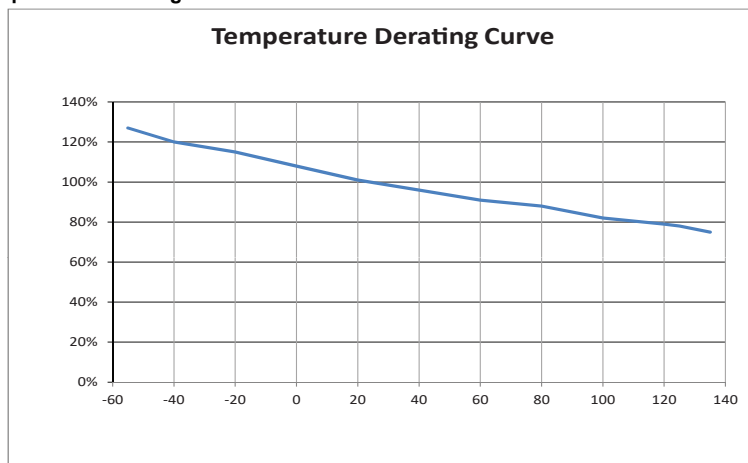
Optional Types (with leads)



Note: ★
 100mA~7.0A " Φ0.65mm
 8.0A~12.5A " Φ0.80mm
 15.0A~16A " Φ1.00mm

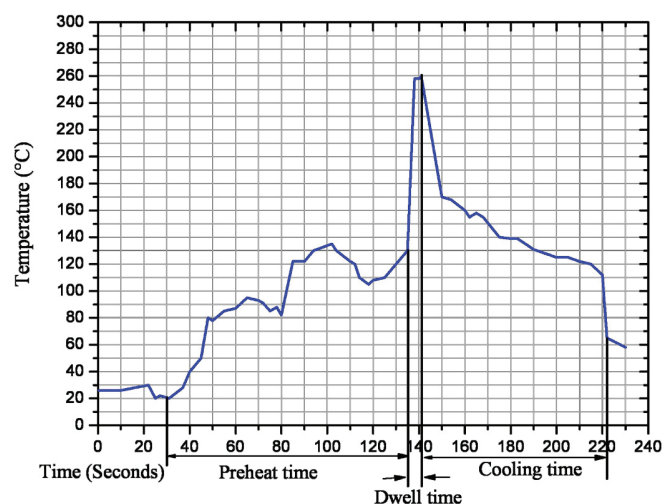
Measurements are in mm
 unless stated otherwise.

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, lead length 30mm
	Round cap
	Octagonal cap, resistance to lightning
	Round cap, diameter: 0.8mm
	Octagonal cap, lead length 38mm
	Octagonal cap, covered with black heatshrink tube
	K-shaped



PART NUMBER TABLE

Part Number Table	Current Rating	UNSPSC	EAN	Country of Origin
26-0061	250mA	39121607	5053556012411	China
26-0062	315mA	39121607	5053556012428	China
26-0063	400mA	39121607	5053556012435	China
26-0064	500mA	39121607	5053556012442	China
26-0065	630mA	39121607	5053556012459	China
26-0066	800mA	39121607	5053556012466	China
26-0067	1A	39121607	5053556012473	China
26-0068	1.25A	39121607	5053556012480	China
26-0069	1.5A	39121607	5053556012497	China
26-0070	1.6A	39121607	5053556012503	China
26-0071	2A	39121607	5053556012510	China
26-0072	2.5A	39121607	5053556012527	China
26-0073	3A	39121607	5053556012534	China
26-0074	3.15A	39121607	5053556012541	China
26-0075	4A	39121607	5053556012558	China
26-0076	5A	39121607	5053556012565	China
26-0077	6.3A	39121607	5053556012572	China
26-0078	8A	39121607	5053556012589	China
26-0079	10A	39121607	5053556012596	China
26-0080	12A	39121607	5053556012602	China
26-0081	12.5A	39121607	5053556012619	China
26-0082	15A	39121607	5053556012626	China
26-0083	16A	39121607	5053556012633	China



Tried & trusted technology

Important Notice: This data sheet and its contents (the "Information") belong to Rapid Electronics Limited or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Rapid Electronics Limited assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Rapid Electronics Limited were aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict Rapid Electronics Limited's liability for death or personal injury resulting from its negligence.