

Bezpieczniki szklane zwłoczne 5x20mm

Time-lag glass tube fuses 5x20mm

1. This specification defines the technical requirements of miniature slow-blow fuses which are approved by UR, CCC, CQC, VDE, PSE and KC (RoHS&pbFree).







PART NUMBER	RATED CURRENT	RATED VOLTAGE
Bsz100	100mA	250V
Bsz125	125mA	250V
Bsz160	160mA	250V
Bsz200	200mA	250V
Bsz250	250mA	250V
Bsz315	315mA	250V
Bsz400	400mA	250V
Bsz500	500mA	250V
Bsz630	630mA	250V
Bsz800	800mA	250V
BszA01.00	1A	250V
BszA01.25	1.25A	250V
BszA01.60	1.6A	250V

PART NUMBER	RATED CURRENT	RATED VOLTAGE
BszA02.00	2A	250V
BszA02.50	2.5A	250V
BszA03.00	3A	250V
BszA03.15	3.15A	250V
BszA04.00	4A	250V
BszA05.00	5A	250V
BszA06.30	6.3A	250V
BszA08.00	8A	250V
BszA10.00	10A	250V
BszA12.50	12.5A	250V
BszA15.00	15A	250V
BszA16.00	16A	250V
BszA20.00	20A	250V

2. APPLICABLE STANDARDS

2.1 Applicable standards for IEC60127.1, IEC60127.2, GB9364.1, GB9364.2.

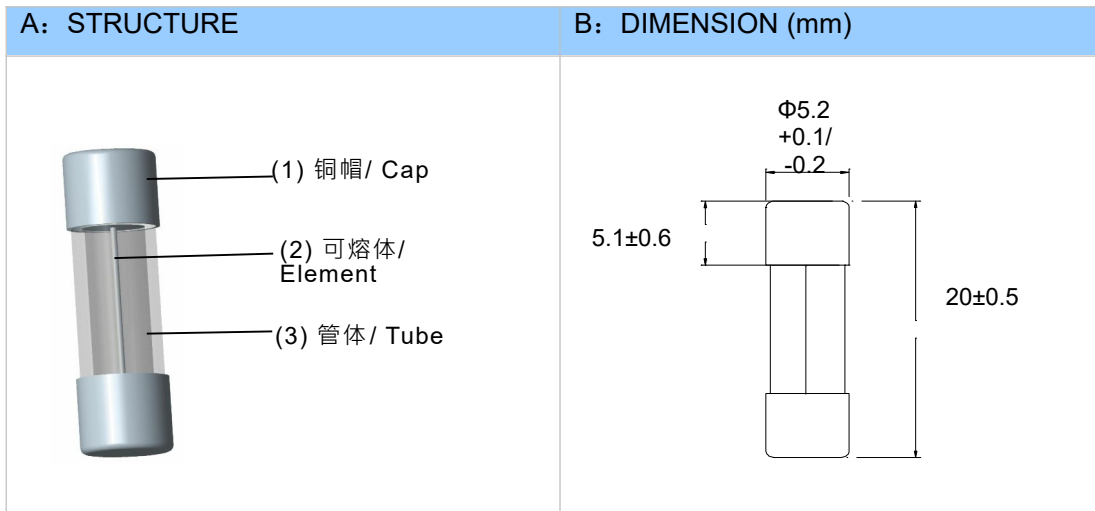
2.2 APPROVED DETAILS

	E324232	100mA-10A /12A-20A	250V
	2008010207315685	500mA/630mA/1A/1.6A/2A/2.5A/3.15A/4A/5A/6.3A	
	CQC10012047312	8A/10A/12.5A/16A	
	40026754	500mA/630mA/1A/1.6A/2A/2.5A/3.15A/4A/5A/6.3A /8A/10A	
	JET6223-31003-2001	1A-5A	
	JET6223-31003-2004	6.3A-15A	
	SU05032-13004	500mA/630mA	
	SU05032-13001	1A/1.6A/2A/2.5A	
	SU05032-13002	3.15A/4A/5A/6.3A	
	SU05032-13003	8A/10A	

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3. STRUCTURE AND DIMENSION



No.	PART	MATERIAL
1	Cap	Nickel Plated Brass
2	Element	Metal Wire
3	Tube	Glass Tube

3.1 GLASS TUBE

Tube shall be transparent as to be easily distinguished fusing element with naked eyes and the tube shall have no defects such as crack, injury and contamination.

3.2 CAP

Cap should be firmly attached so that it is not possible to remove them without damaging the fuse itself. The samples are immersed in water for 24 hours at a temperature between 15°C and 35°C. After remove from the water, an axial pull steadily increasing to 5N is applied to each cap for 1 minute.

3.3 SOLDERING JOINT

Soldering joint in end cap shall not be melted during normal operation and shall not have solder chips on tube, element in view and outer surface of caps.

4. MECHANICAL PERFORMANCES

Fuse shall withstand following three testing.

4.1 ROTATIONAL STRENGTH

When one end cap of the specimen is fixed and then the torque 10N·mm is applied to the other end cap clockwise and counterclockwise, no looseness of end caps at both ends or damage of fuse-tube shall occur.

4.2 TENSILE STRENGTH

When one end cap of the specimen is fixed and then the tensile force 10N is applied to the other end cap in a direction to separate the end caps, no looseness of end caps or damage of fuse-tube shall occur.

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4.3 STRENGTH OF FUSE-TUBE

When middle parts of end caps at both ends of the specimen are supported and then the force 15N is applied to the middle part of the fuse-tube, no damage of the fuse-tube shall occur.

5. ELECTRICAL PERFORMANCES

5.1 VOLTAGE DROP

The voltage drop across the fuse-link at their rated current shall not exceed the maximum values is in follows:

Rated Current (A)	Rated Voltage (V)	Maximum Voltage drop (mV)	Maximum sustained Power dissipation (W)	I ² T Reference (A ² Sec)
100mA	250V	2,500	1.6	0.025
125mA		2,000		0.037
160mA		1,900		0.078
200mA		1,500		0.080
250mA		1,300		0.112
315mA		1,100		0.261
400mA		1,000		0.384
500mA		900		0.609
630mA		300		0.959
800mA		250		2.085
1A		150		4.163
1.25A		150		8.262
1.6A		150		13.07
2A		150	14.87	
2.5A		120	20.25	
3A		100	21.39	
3.15A		100	47.39	
4A		100	67.50	
5A		100	90.49	
6.3A		100	221.6	
8A	100	410.6		
10A	100	688.5		
12.5A	80	729		
15A	80	1625		
16A	80	2015		
20A	80	3100		
			4.0	
			6.0	

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5.2 PRE-ARCING TIME-CURRENT CHARACTERISTICS

Rated Current	2.1I _n	2.75I _n		4I _n		10I _n	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.
32 mA -100mA	2min.	200ms	10sec.	40ms	3sec.	10ms	300ms
125mA-10A	2min.	600ms	10sec.	150ms	3sec.	20ms	300ms
>10A	5min	600ms	15sec.	150ms	5sec.	20ms	400ms

5.3 INTERRUPTING CAPACITY

Rated breaking capacity is $I_n \leq 16A$:35A or $10I_n$ whichever is greater, tested with A.C., $I_n > 16A-20A$: 100A (A.C.).

5.4 ENDURANCE TEST

The process of endurance test is as follows:

A. current $1.2I_n$ is passed through the fuse-link for a period of 1hour. The current is then switched off for a period of 15 minutes. The cycle is repeated 100 times.

B. current $1.5I_n$ is then passed through the fuse-link for 1hour.

C. Finally, the voltage drop across the fuse-link is measured. The voltage drop across the fuse-link after the test shall not have increased by more than 10% of the Value measured before the test.

D. After the test, the marking shall still be legible and soldered joints on end caps, for example, shall not show and appreciable deterioration.

5.5 COLD RESISTANCE TEST

Input 10% of fuse rated current to fuse for cold resistance test at surrounding temperature of $25 \pm 2^\circ C$.

6. MARKING

6.1 The relevant markings shall be marked on the caps of the fuse and shall be easily visible.

7. ENVIRONMENTAL PARAMETERS

7.1 Operating Temperature: $-55^\circ C \sim 125^\circ C$.

7.2 Under airtight in temperature $+10 \sim 60^\circ C$ relative humidity $\leq 75\%$ can store 3 years.

Without dew in temperature $+10 \sim 60^\circ C$ relative humidity be 95% maximum value for 30 days.