

Bezpieczniki szklane szybkie 5x20mm

Fast-acting glass tube fuses 5x20mm

1. SCOPE

This specification defines the technical requirements of miniature fast acting fuses, which are approved by UR, CCC, CQC, VDE, KC, PSE (RoHS&pb Free).

PART NUMBER	RATED CURRENT	RATED VOLTAGE
Bss100	100mA	250V
Bss125	125mA	250V
Bss160	160mA	250V
Bss200	200mA	250V
Bss250	250mA	250V
Bss315	315mA	250V
Bss400	400mA	250V
Bss500	500mA	250V
Bss630	630mA	250V
Bss800	800mA	250V
BssA01.00	1A	250V
BssA01.25	1.25A	250V
BssA01.60	1.6A	250V

PART NUMBER	RATED CURRENT	RATED VOLTAGE
BssA02.00	2A	250V
BssA02.50	2.5A	250V
BssA03.00	3A	250V
BssA03.15	3.15A	250V
BssA04.00	4A	250V
BssA05.00	5A	250V
BssA06.30	6.3A	250V
BssA08.00	8A	250V
BssA10.00	10A	250V
BssA12.50	12.5A	250V
BssA15.00	15A	250V
BssA16.00	16A	250V
BssA20.00	20A	250V

2. APPLICABLE STANDARDS

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

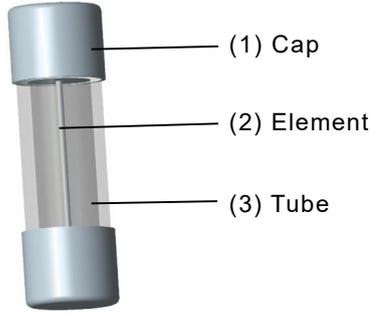
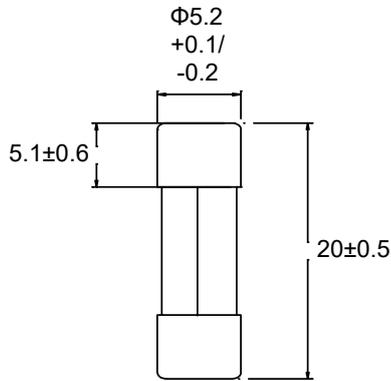
2.2 APPROVED DETAILS

	E324232	200mA-10A 12A-20A	250V
	2008010207315684	250mA/400mA/500mA/630mA 1A/1.6A/2A/3.15A/4A/5A/6.3A	
	CQC09012032890	10A/16A	
	40026900	250mA/400mA/ 500mA/630mA/ 1A/1.6A/2A/3.15A/4A/5A/6.3A/10A	
	JET6223-31003-2001	1A-5A	
	JET6223-31003-2004	6.3A-15A	
	SU05032-14001	1A/1.25A/1.6A/2A/2.5A	
	SU05032-14002	3.15A/4A/5A/6.3A	
	SU05032-14003	400mA/500mA/630mA	

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3. STRUCTURE AND DIMENSION

A: STRUCTURE		B: DIMENSION (mm)
		
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 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	3,500	1.6	/
125mA		2,000		/
160mA		2,000		/
200mA		1,700		0.081
250mA		1,400		0.126
315mA		1,300		0.261
400mA		1,200		0.384
500mA		1,000		0.609
630mA		650		0.959
800mA		240		0.518
1A		200		1.080
1.25A		200		1.810
1.6A		190		4.163
2A		170	8.114	
2.5A		170	11.38	
3.15A		150	20.47	
4A		130	32.19	
5A		130	55.40	
6.3A		130	105.5	
8A		130	182.1	
10A	130	270.0		
12.5A	100	456.3		
15A	100	785.7		
16A	100	842.4		
20A	100	1892		

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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.	Max.
32mA-100mA	30min.	10ms	500ms	3ms	100ms	20ms
125mA-6.3A	30min.	50ms	2sec.	10ms	300ms	20ms
7A-10A	30min.	50ms	2sec.	10ms	400ms	40ms
>10A	30min.	100ms	6sec.	20ms	600ms	60ms

5.3 INTERRUPTING CAPACITY

Rated breaking capacity is I_n <10A: 35A or 10I_n whichever is greater, tested with A.C. ,
I_n ≥ 10A: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±2°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°C ~ 25°C.

7.2 Under airtight in temperature +10~60°C relative humidity ≤75% can store 3 years.

Without dew in temperature +10~60°C relative humidity be 95% maximum value for 30 days.