2H38L Series DC automobile fuse

1. Purpose and use

This series fuse is suitable for rated DC voltage below 250V (300V), in rated current 200A-500A line, breaking capacity of 10Ka, widely used in charger, power supply, vehicle-mounted battery, vehicle-mounted circuit system, inverter integrated protection. At the same time, it has the characteristics of strong current limiting capacity, large breaking capacity, fast short circuit breaking speed and so on. Can withstand temperature shock, mechanical shock, current shock, chemical load, etc. This series of products comply with ISO 8820, JASO D622 and GB/T31465 standards. Applicable standards :GB/T31465.6, ISO 8820-8, JASO D622, UL248-20

2. Normal working conditions

Normal operating conditions of ambient air temperature: - 5 ℃ ~ 40 ℃; allowable operating conditions: - 40 ℃ ~ + 125 ℃;

3. Use category

Full range fast fuse(gR)

4. Structural characteristics

The melting tube of the product is made of high-temperature resistant ceramic material, with high flame-retardant performance and strong hardness.

The melt is sealed in the melting tube with a variable cross-section melt made of 99.99% pure silver. The melting tube is filled with chemically treated high-purity quartz sand and specially treated chemical materials as arc extinguishing medium. The contact surface is silver plated to ensure reliable electrical performance, greatly reducing temperature rise and power consumption; Both ends of the melt are firmly connected with the contact by spot welding, which greatly enhances the safety and reliability of breaking

short circuit fault current

5.Agreed current and agreed time

Test current A	Fusing time s	
	In:≥60A	
	min	max
1.1In	14400	-
1.35In	150	3600
1.5In	20	1500
2In	1	300
3In	0.2	30
5In	0.05	1

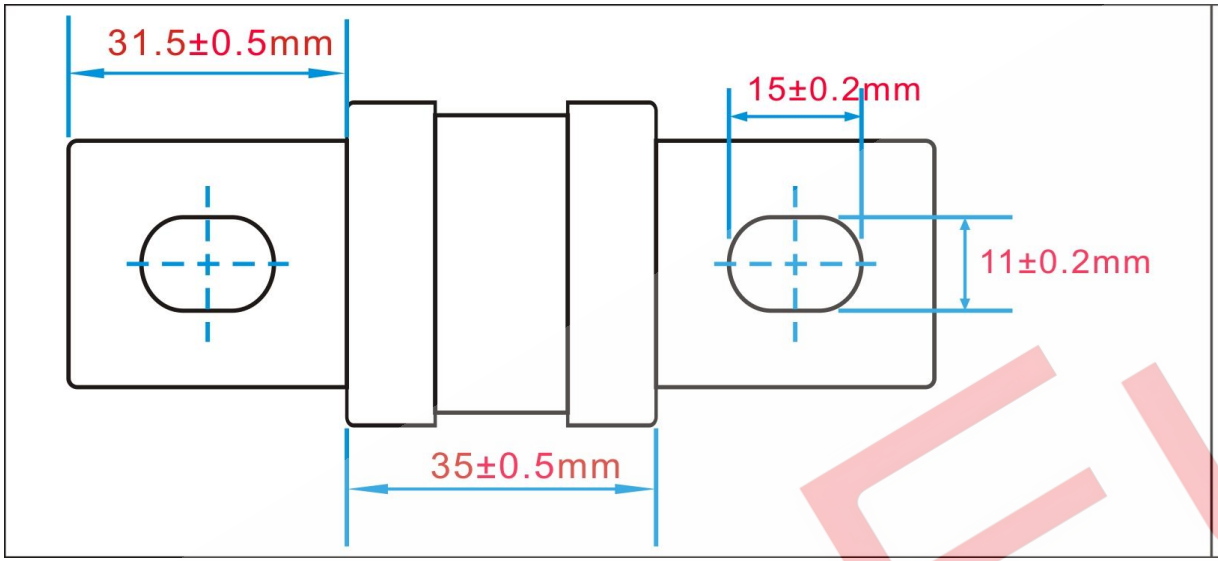
Note: the agreed current and agreed time required by the customer can be negotiated with our company.

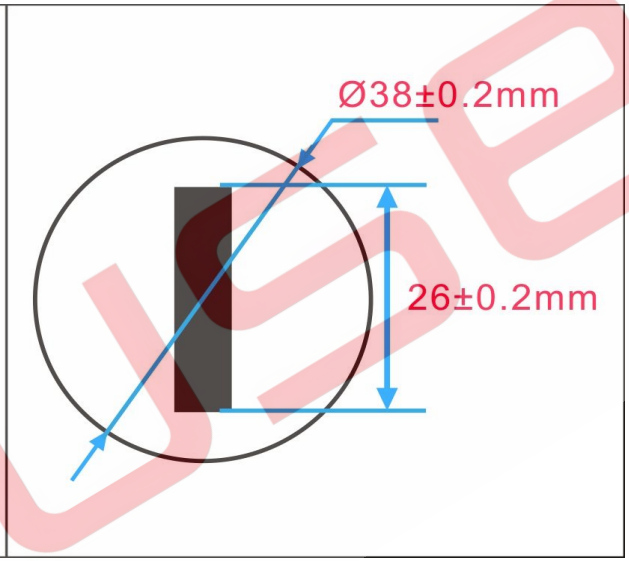
The characteristics of fuse will vary according to the use environment and surrounding design requirements. The performance characteristics are obtained according to the rated constant temperature of 25 ℃

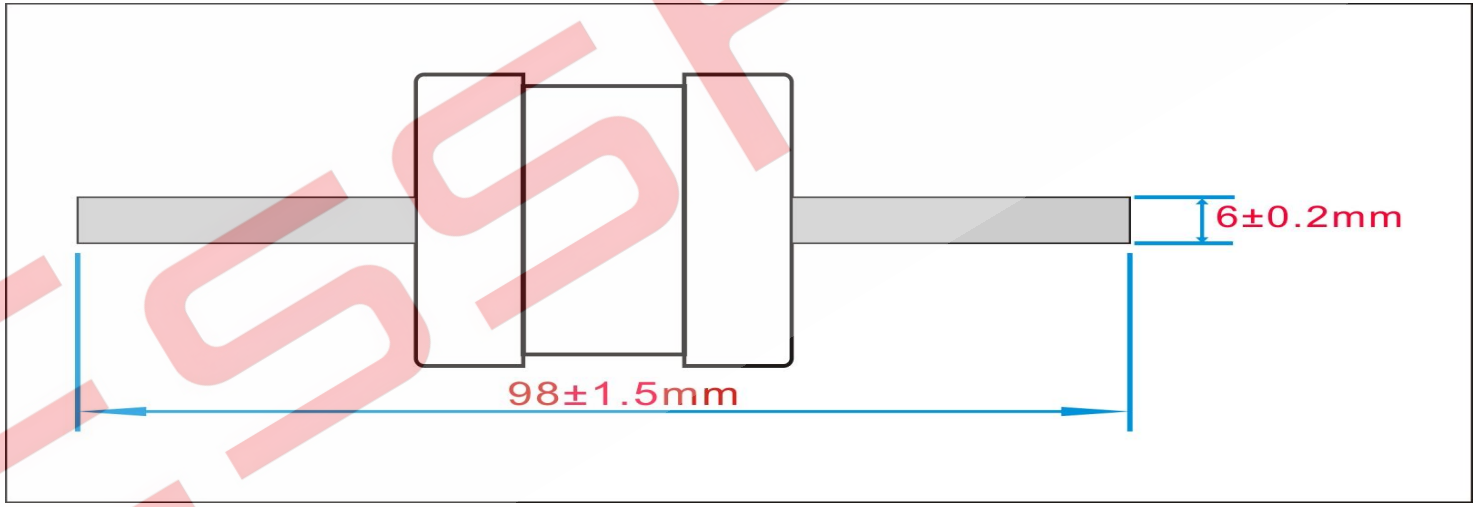
6. Main parameters

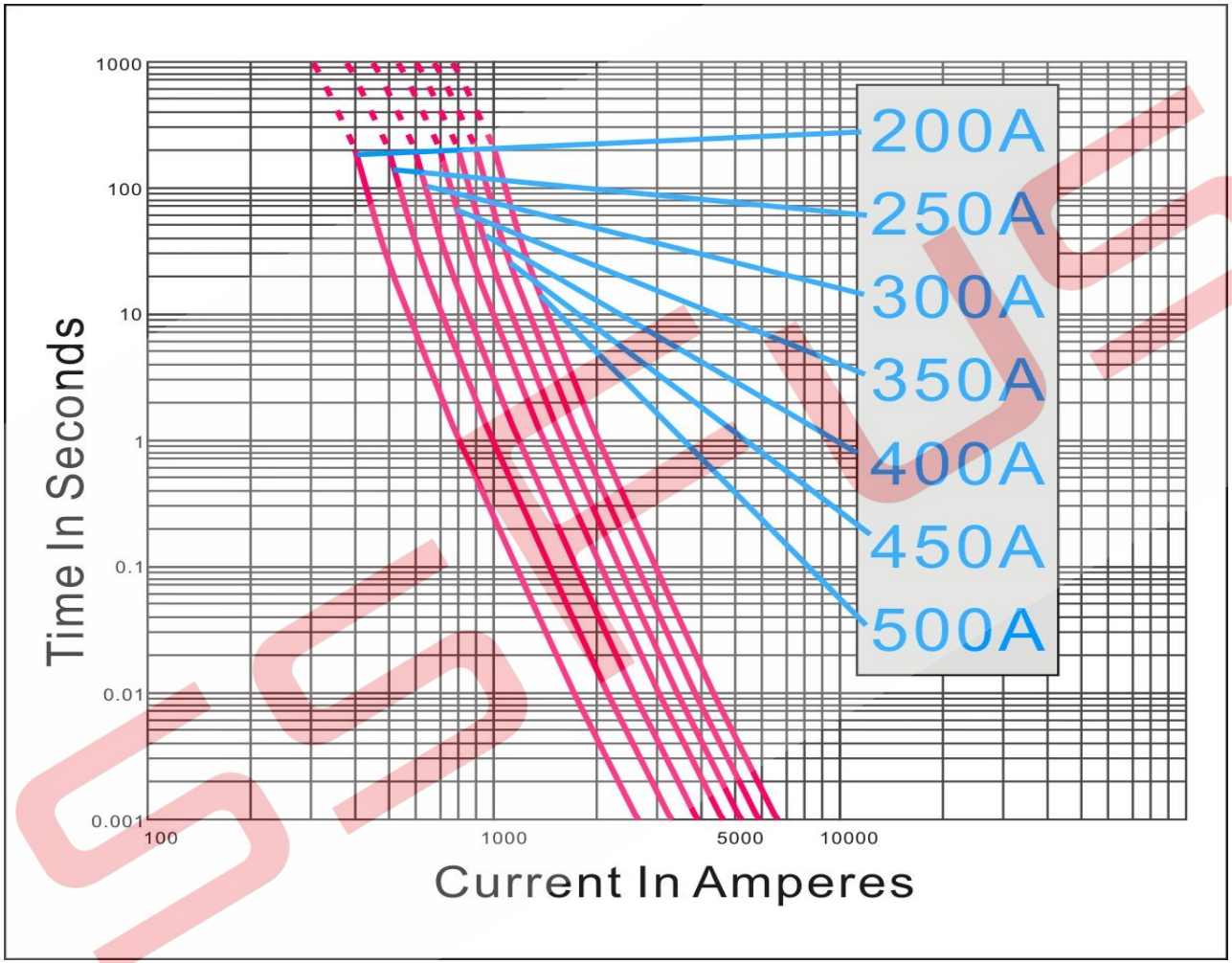
NO:	Product model	Rated current（A）	Rated voltage DC (V)	Maximum voltage drop (mV)	Breaking Capacity（KA）
1	2H38L200	200	300V/250V	180	10
2	2H38L250	250	300V/250V	180	10
3	2H38L300	300	300V/250V	160	10
4	2H38L350	350	300V/250V	160	10
5	2H38L400	400	300V/250V	160	10
6	2H38L450	450	300V/250V	150	10
7	2H38L500	500	300V/250V	150	10

7. Product scale:：







EssFuse

8. Characteristic curve: