H14F/H14FA Fast-acting fuse

1. Purpose and use

This series of fuses are suitable for rated DC 750V-1000V (10A-50A)) line protection, as a comprehensive protection for instrument power lines and wiring harnesses, and also has strong current limiting capabilities and high breaking Capability, fast short-circuit breaking speed, etc., and can withstand temperature shock, mechanical shock, current shock, chemical load, etc. Breaking capacity: AC (50KA) DC (20KA)

2. Normal working conditions

Ambient air temperature Normal use condition: -40℃~+125℃;

3. Use category

"gR" Indicates a fast fuse for full range protection.

4. Structural features

The melting tube of this product is made of special high temperature resistant materials, with high flame retardancy and strong hardness. The melt is made of 99.99% pure silver and is encapsulated in the melting tube. The molten tube is filled with chemically treated high Purity quartz sand and special chemical materials are used as the arc extinguishing medium. The contact surface is treated with silver

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plating to ensure reliable electrical performance and greatly reduce the temperature rise and power consumption. Both ends of the melt are firmly connected to the contacts by spot welding, which improves The safety and reliability of breaking short-circuit fault current is greatly enhanced

5.Agreed current and agreed time

Test current (A)	Fusing time (s)	
	In:	
	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.

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6. Main parameters

No:	Model number	Rated current （A)	Rated voltage （V）DC	Breaking capacity DC（20KA）	Rated voltage （V）AC	Breaking capacity AC（50KA）
1	H14F10/H14FA10	10A	750V/1000V	20KA	500V/700V	50KA
2	H14F15/H14FA15	15A	750V/1000V	20kA	500V/700V	50KA
3	H14F20/H14FA20	20A	750V/1000V	20kA	500V/700V	50KA
4	H14F25/H14FA25	25A	750V/1000V	20kA	500V/700V	50KA
5	H14F30/H14FA30	30A	750V/1000V	20kA	500V/700V	50KA
6	H14F35/H14FA35	35A	750V/1000V	20kA	500V/700V	50KA
7	H14F40/H14FA40	40A	750V/1000V	20kA	500V/700V	50KA
8	H14F45/V14FA45	45A	750V/1000V	20kA	500V/700V	50KA
9	H14F50/H14FA50	50A	750V/1000V	20kA	500V/700V	50KA

Note: Can be customized according to specific requirements

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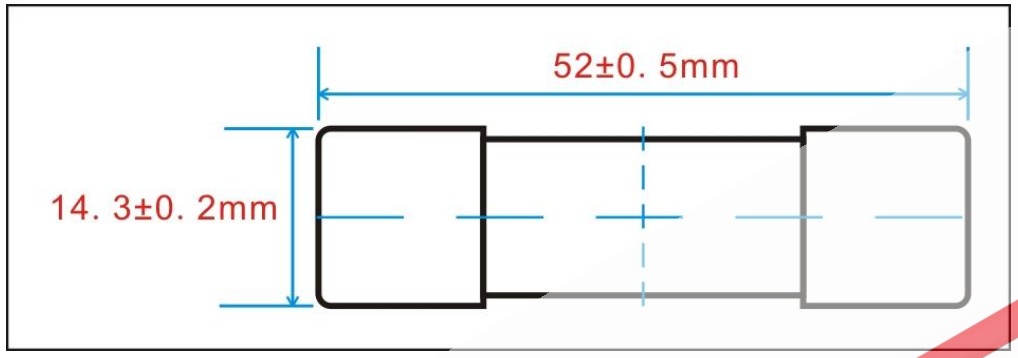
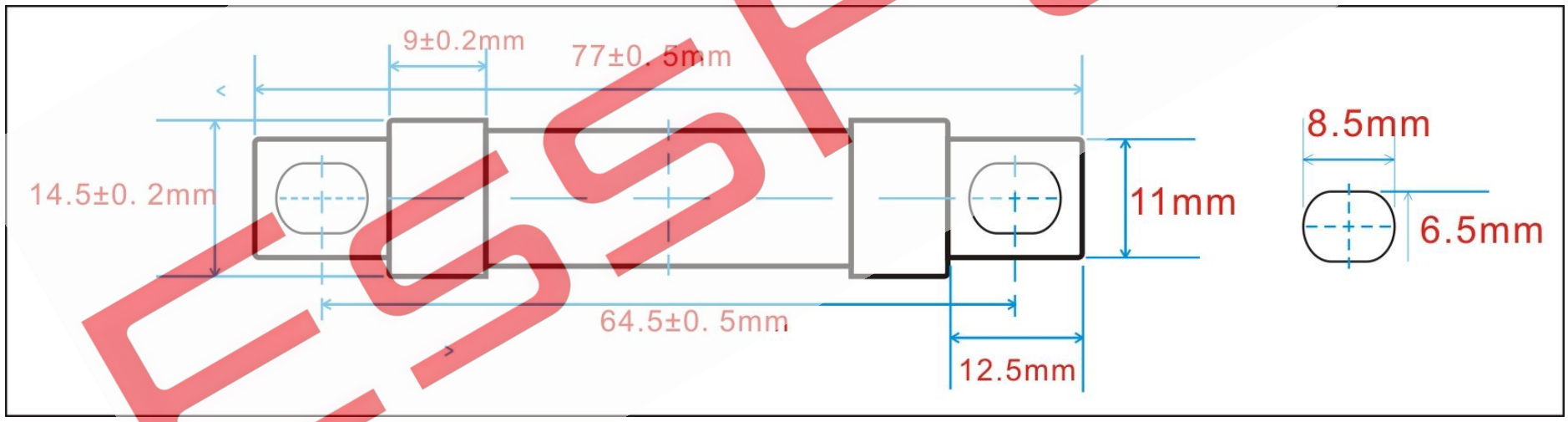
7. Product size chart:

1) H14F



2) H14FA



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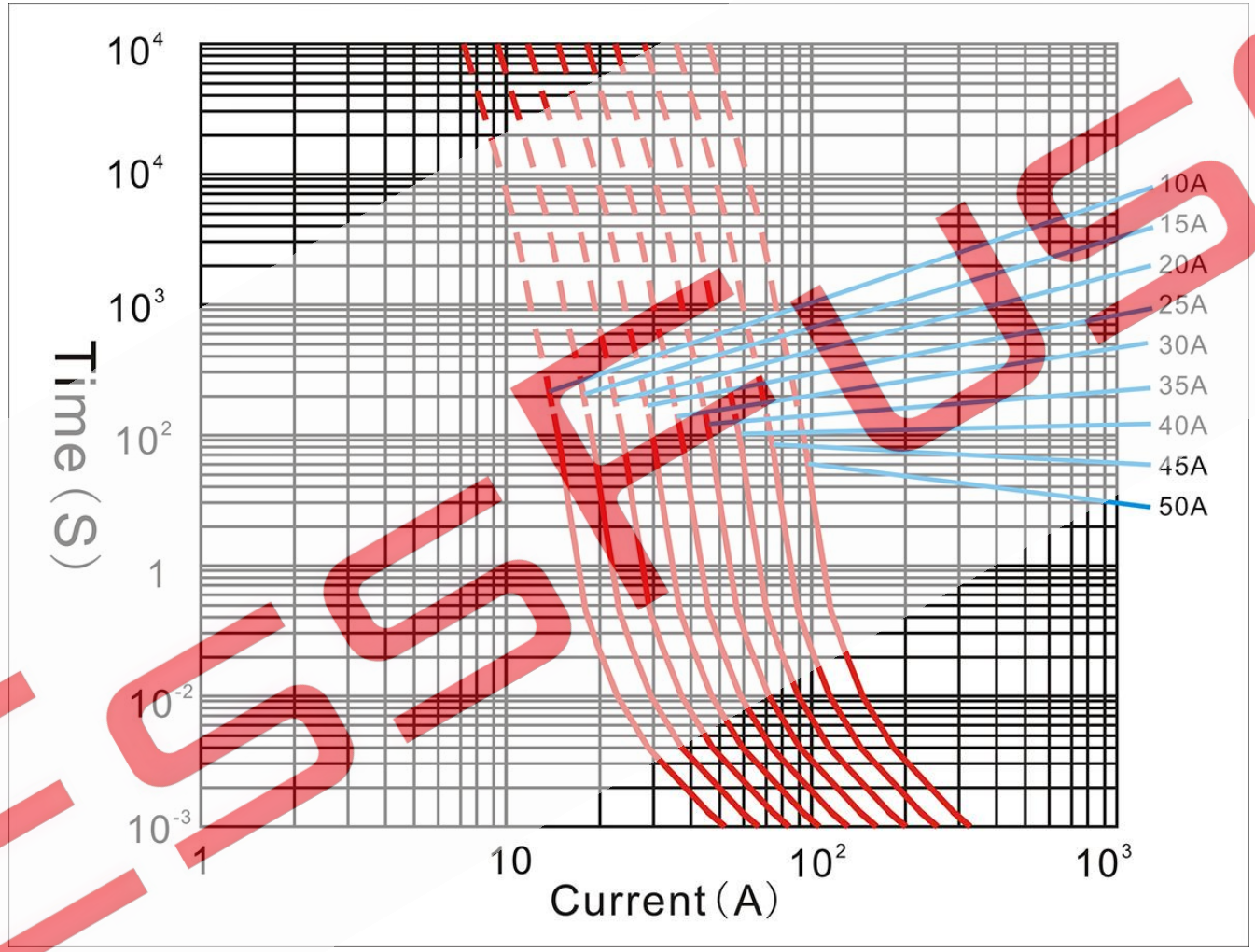
8. Characteristic curve: (For reference only)



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