

H14FE Fast-acting fuse

1. Purpose and use

This series of fuse is suitable for rated DC(450V) 500V (40A-60A) line protection. It is a comprehensive protection for instrument power supply, on-board, charger and wiring harness. It has strong current limiting capacity, high breaking capacity and fast short-circuit breaking speed. It can withstand temperature impact, mechanical impact, impact current, current impact, chemical load and other breaking capacity: DC (20KA), This series of products meet the standards of ISO 8820, Jaso D622 and GB / T31465, and the applicable standards of environmental reliability are GB / T31465.6, ISO 8820-8, Jaso D622 and UL248-20

2. Normal working conditions

Ambient air temperature Normal use condition: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$;

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 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: <60A		In: ≥60A	
	min	max	min	max
1.1In	14400	-	14400	-
1.35In	150	3600	150	3600
1.5In	-	-	20	1500
2In	0.5	100	1	300
3In	0.1	15	0.2	30
5In	0.05	1	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)
1	H14FE40	40A	450V/500V	20kA
2	H14FE45	45A	450V/500V	20kA
3	H14FE50	50A	450V/500V	20kA
4	H14FE60	60A	450V/500V	20kA

Note: Can be customized according to specific requirements

7. Product size chart:



8. Characteristic curve: (For reference only)

