

Dongguan GongFu Electronics Co., Ltd. **EssFuse** Focus: protection components

## H10F35 (EVSE) Fast fuse

### 1. Purpose and use

The series fuse is suitable for rated DC(AC)500V (32A-63A) line protection, as instrument power supply, uninterrupted UPS power supply, three-phase AC charging pile, electric vehicle supply equipment (EVSE) inverter, rectifier, motor, elevator system and other comprehensive protection. It also has the characteristics of strong current limiting capacity, high breaking capacity, short circuit breaking speed, and can withstand temperature impact, mechanical impact, current impact, chemical load and so on. Breaking capacity :20KA. See technical standard UL248-1.

### 2. Normal working conditions

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

### 3. Use category

fast fuse for full range protection.

### 4. Agreed current and agreed time

| Test current<br>(A) | Fusing time (s) |      |
|---------------------|-----------------|------|
|                     | In:             |      |
|                     | min             | max  |
| 1In                 | 14400           | -    |
| 1.35In              | -               | 3600 |
| 2In                 | 12              | 360  |

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

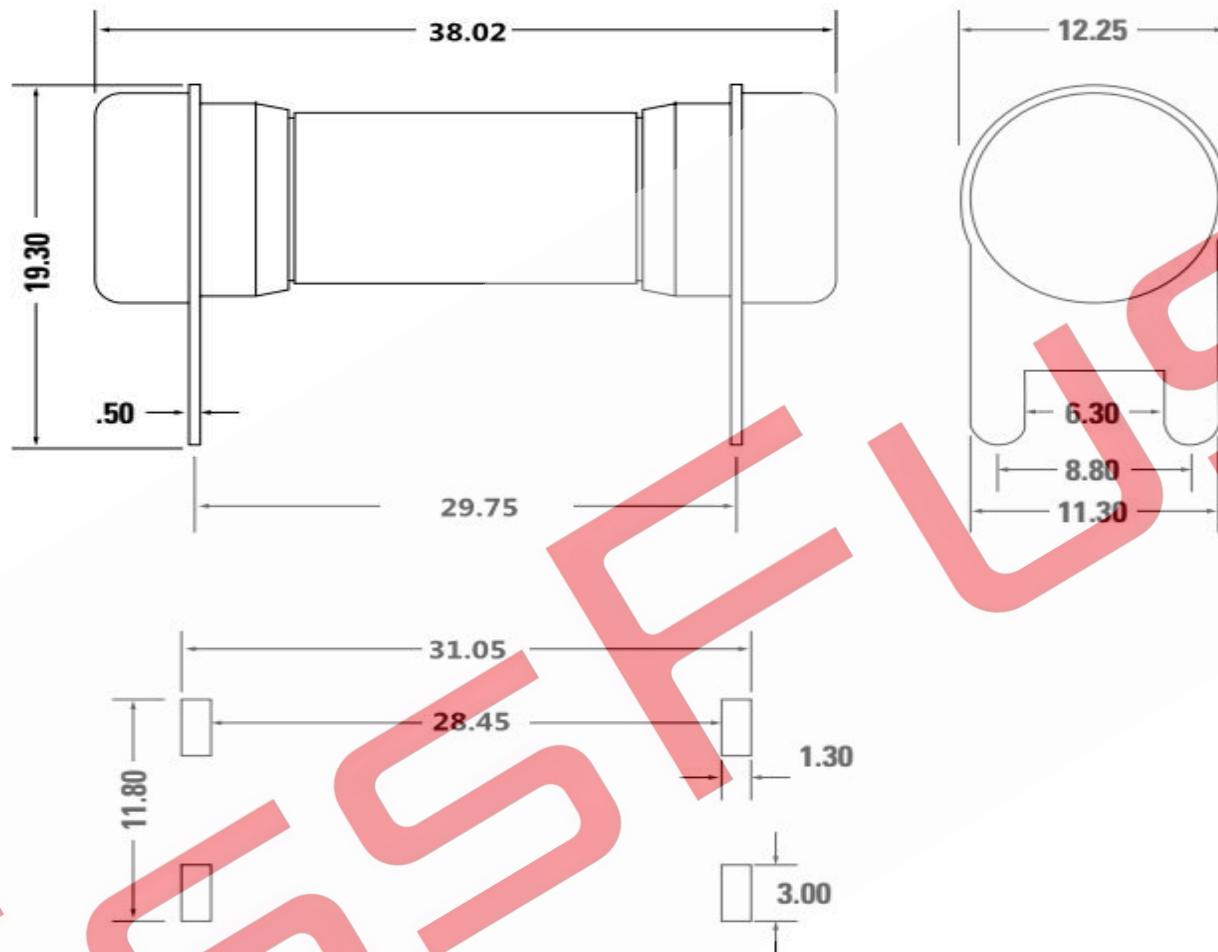
## 6. Main parameters

| No: | Model number | Rated current (A) | Rated voltage<br>DC/AC (V) | Breaking capacity<br>DC/AC (20KA) | Watts Loss at 70%<br>Rated Current (W) | Watts Loss at 100%<br>Rated Current (W) |
|-----|--------------|-------------------|----------------------------|-----------------------------------|----------------------------------------|-----------------------------------------|
| 6   | H10F3532     | 32A               | 500V                       | 20KA                              | 1.16                                   | 3.5                                     |
| 8   | H10F3540     | 40A               | 500V                       | 20KA                              | 1.51                                   | 3.6                                     |
| 10  | H10F3550     | 50A               | 500V                       | 20KA                              | 1.78                                   | 4.35                                    |
| 11  | H10F3563     | 63A               | 500V                       | 20KA                              | 2.16                                   | 5.1                                     |

Note: Can be customized according to specific requirements

## 7. Product size chart:

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8. characteristic curve

