

Drop-out Fuse



1 Overview

1.1 Main applications:

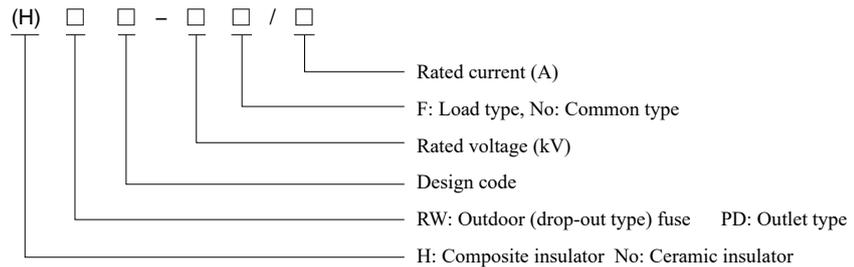
The drop-out fuse is also called as a drop fuse, and it is a common short circuit protection switch used in the 10kV power distribution line branches and distribution transformer, mainly suitable for the 10kV power distribution line and the primary side of the distribution transformer as a protector and for switching operation of the equipment.

1.2 Standards:

GB/T 15166.3 High-voltage alternating-current fuses – Part 3: Expulsion fuses

GB/T 11022 Common specifications for high-voltage switchgear and controlgear standards

2 Type Designation



3 Technical Parameters

| Product model | Rated voltage kV | Rated current A | Rated short circuit breaking current kA | 1min power frequency withstand voltage kV | Rated lightning impulse withstand voltage kV To earth / gap | Creepage distance mm (standard) |
|------------------|------------------|-----------------|---|---|---|---------------------------------|
| (H) RW12(PD1)-12 | 12 | 100/200 | 6.3/12.5/16 | 42/49 | 75/85 | 320 |

4 Working Environment Conditions

4.1 Ambient temperature: The max. temperature is +70°C, the min. temperature is -40°C, and the max. daily temperature difference is 25K;

4.2 Relative humidity: The daily mean value is not greater than 95%, the monthly mean value is not greater than 90%;

4.3 The altitude does not exceed 1000m.

4.4 Wind speed: Not exceed 35 m/s.

4.5 Icing thickness: Not greater than 10 mm.

4.6 The earthquake intensity does not exceed 8 degrees;

4.7 The installation site shall be free of frequent severe vibration;

4.8 The ambient air is free from obvious pollution such as dust, dust, corrosive gas or salt mist.

For requirements out of the normal working conditions, please contact the manufacturer.



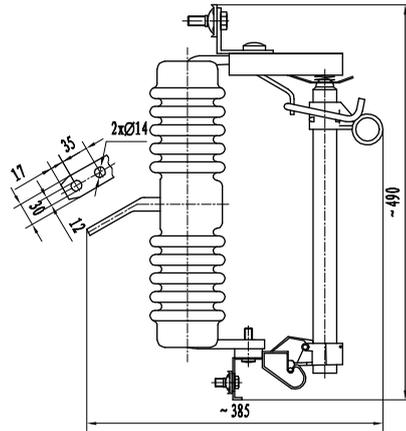
Drop-out Fuse

5 Features

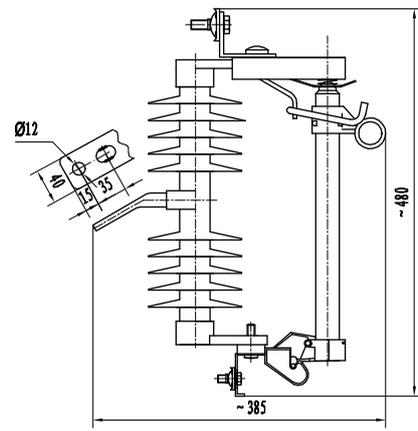
The drop-out fuse consists of an insulating bracket and a fuse tube. The static contact is mounted at both ends of the insulating bracket and the dynamic contact is installed at both ends of the fuse tube. The fuse tube is composed of an arc extinction tube of inner layer and a phenolphthalein paper tube or an epoxy glass cloth tube of outer layer, featuring with small volume, light weight, simple process, flexible installation, easy operation, and strong outdoor environment adaption, and can be used to turn on and off the non-load current; if an arc extinguishing chamber is provided, this fuse tube can be used to turn on and off the load current.

6 Outline and Installation Dimensions

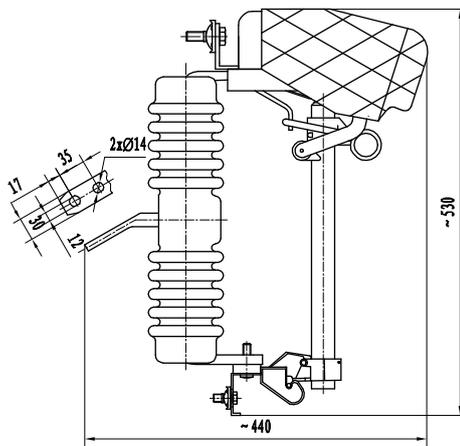
6.1 (H) RW12(PD1)-12F Series Outline Drawing



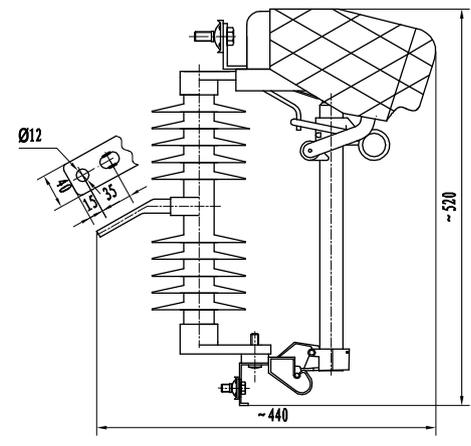
RW12(PD1)-12



HRW12(HPD1)-12



RW12(PD1)-12F



HRW12(HPD1)-12F

Drop-out Fuse

7 Ordering Technical Confirmation Form

(H) RW12-12 Outdoor High Voltage AC Drop-Out Type Fuse Order Technical Confirmation Table

Please determine your requirements according to the items listed in the table below:

| | | |
|--|--|---|
| Product model | <input type="checkbox"/> RW12-12_____ (Gray ceramic insulator) <input type="checkbox"/> HRW12-12_____ (Gray silicone rubber insulator) <input type="checkbox"/> RW12-12_____ (Standardized interchangeable gray ceramic insulator) | |
| Order Qty. (set) (3 pcs = 1 set) | _____ Pcs | |
| Rated current (A) | <input type="checkbox"/> 100 <input type="checkbox"/> 200 | |
| Structure | <input type="checkbox"/> Common type <input type="checkbox"/> Load type (arc extinguishing hood) | |
| Conducting plate material | <input type="checkbox"/> T3 copper (standard) <input type="checkbox"/> T2 copper <input type="checkbox"/> Others:_____ Note: Standard 100A thickness is 1mm, and 200A thickness is 2mm | |
| Polltion degree | <input type="checkbox"/> Grade III (standard) <input type="checkbox"/> Grade IV <input type="checkbox"/> Others:_____ | |
| Conductor material | <input type="checkbox"/> T3 copper, copper casting H59 (standard) <input type="checkbox"/> T2 copper, copper casting C95600 Others:_____ | |
| Conductor surface treatment | <input type="checkbox"/> Common tin plating (standard) Others:_____ | |
| Spring / Pin material | <input type="checkbox"/> Common carton steel (standard) <input type="checkbox"/> Stainless steel S304 | |
| Standard part | <input type="checkbox"/> Dacromet (standard) <input type="checkbox"/> Hot-dip galvanizing <input type="checkbox"/> Stainless steel S304 | |
| Fuse element | <input type="checkbox"/> No (standard) <input type="checkbox"/> Common type (T type) A with _____ pcs equipped for each <input type="checkbox"/> Grid type (K type) A with _____ pcs equipped for each | |
| Optional accessories (standard configuration is not provided) | <input type="checkbox"/> Insulating jacket (qty.<3 pcs; color: <input type="checkbox"/> Red, <input type="checkbox"/> Yellow, <input type="checkbox"/> Green) <input type="checkbox"/> Mounting bracket (customized according to the drawings provided by user) <input type="checkbox"/> Earth ring (hook) | |
| Other special requirements | | Ordering unit (seal) Signature: _____ Confirmation date: _____ Tel: _____ |

Note: If no option is selected, the product is manufactured according to the (standard configuration) requirements by default!