Drop-out Fuse

1 Overview

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.

2 Type Designation

(H) □ □ - □ □ / □

- Rated current (A)
- F: Load type, No: Common type
- Rated voltage (kV)
- Design code
- PD: Outdoor (drop-out type) fuse
- H: Composite insulator No: Ceramic insulator

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.

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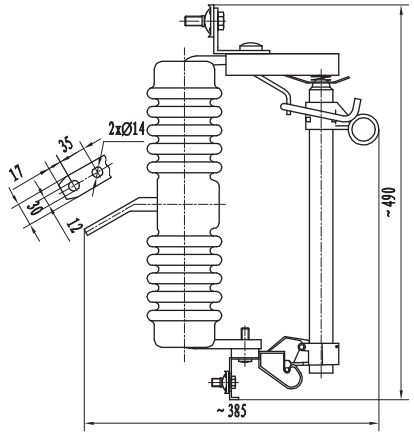
5 Features

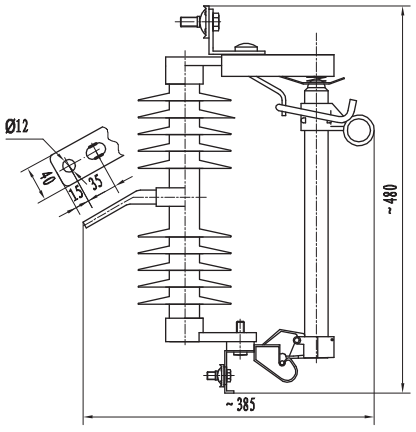
The drop-out fuse consists of an insulating bracket and a fuse tube. The static contact is mounted at both ends of the insulating bracket and the dynamic contact is installed at both ends of the fuse tube. The fuse tube is composed of an arc extinction tube of inner layer and a phenolphthalein paper 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



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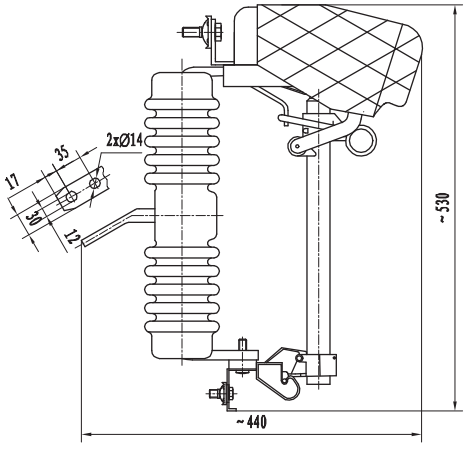
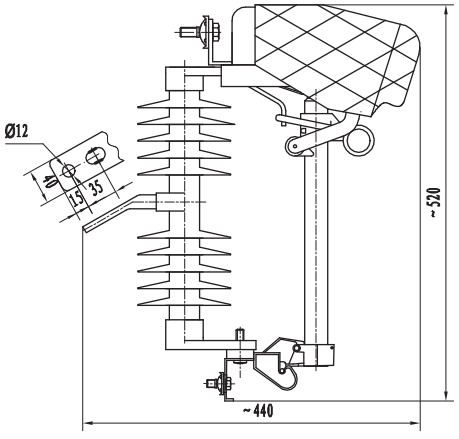


RW12(PD1)-12F



HRW12(HPD1)-12F

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7 Ordering Technical Confirmation Form

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

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

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