

Drop-Out Fuse Series



1 Product overview

1.1 Main applications:

The drop-out fuse is called as drop fuse that is the most short-circuit protection switch used in the 10kV power distribution line branch and power distribution transformer, mainly used in 10kV power distribution line and primary side of power distribution transformer as protector and equipment switching operation.

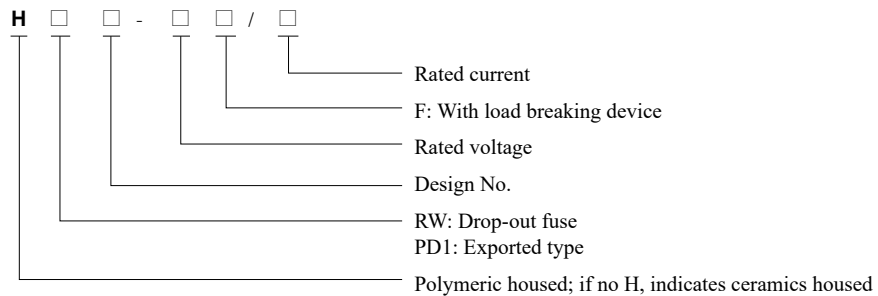
1.2 Available standards

GB/T 15166.3-2008 High-voltage alternating-current fuses – Part 3: Expulsion fuses

GB/T 1985-2014 High-voltage alternating-current disconnectors and earthing switches

GB/T 11022-2011 Common specifications for high-voltage switchgear and controlgear standards

2 Type designation



3 Product parameters

Product model	Rated voltage (kV)	Rated current (A)	Rated breaking current kA	Power frequency withstand voltage for 1 minute (kV); Voltage to ground / Break voltage	Rated lightning impulse withstand voltage, kV Voltage to ground / Break voltage	Creepage distance, mm (standard configuration)
(H) RW11-12	12	100/200	6.3/12.5/16	42/49	75/85	215
(H) RW12(PD1)-12	12	100/200	6.3/12.5/16	42/49	75/85	320

4 Working environment conditions

- 4.1 Ambient air temperature: Max. temperature: +45°C; Min. temperature: -40°C; Max. daily temperature difference: 25K;
- 4.2 Relative humidity: Daily mean is not greater than 95%, and monthly mean is not greater than 90%;
- 4.3 Altitude: Not higher than 1000m;
- 4.4 Wind: Not exceed 35m/s;
- 4.5 Radial thickness of ice: 10mm;
- 4.6 Earthquake intensity: not exceed 8 degrees;
- 4.7 The installation site shall be free of frequent severe vibration;
- 4.8 The surrounding air is not obviously polluted by dust, smoke, corrosive gas or salt mist.

Please contact the manufacturer for customizing those failed to follow the normal working conditions.

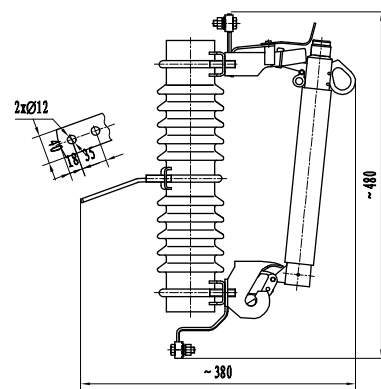
Drop-Out Fuse Series

5 Main structure features

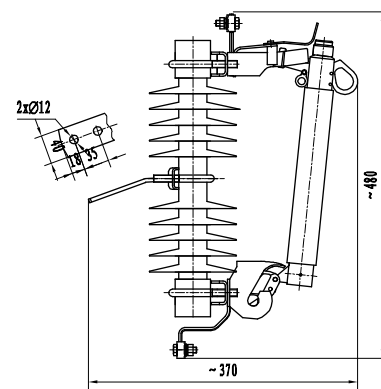
The drop-out fuse consists of an insulating bracket and a fuse tube. The static contact is mounted at both ends of the insulating bracket and the dynamic contact is installed at both ends of the fuse tube. The fuse tube is composed of an arc extinction tube of inner layer and a phenolphthalein paper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

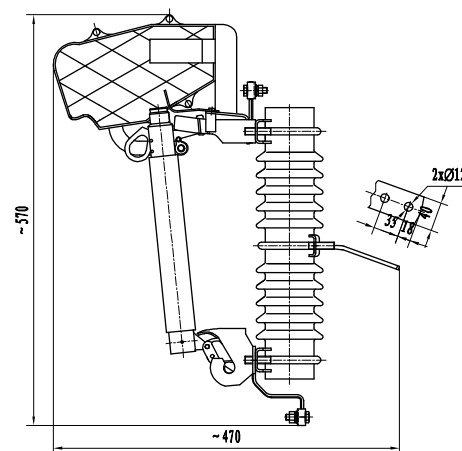
6.1 (H) RW11-12(F) Series Outline Drawing



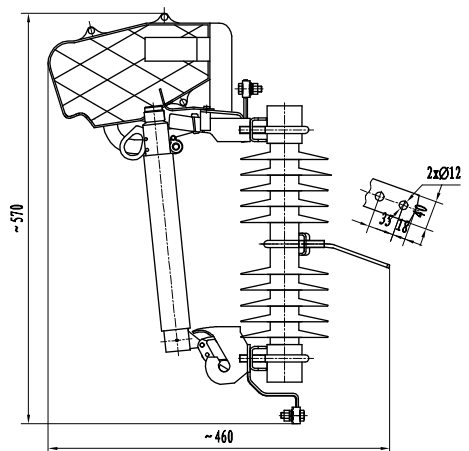
RW11-12



HRW11-12



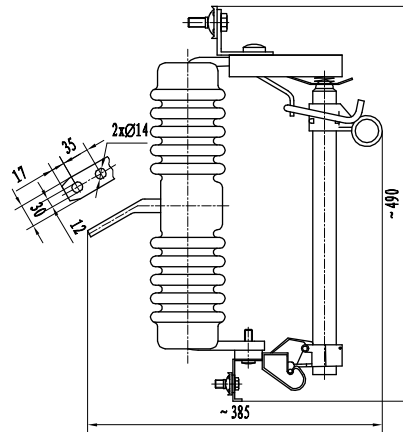
RW11-12F



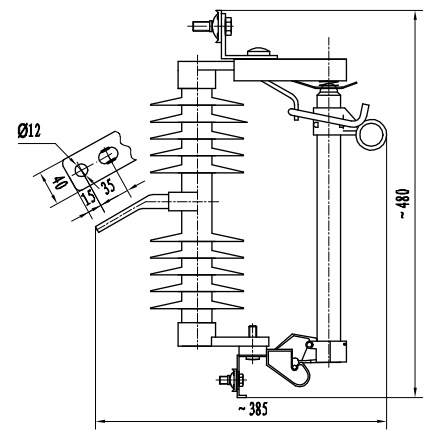
HRW11-12F

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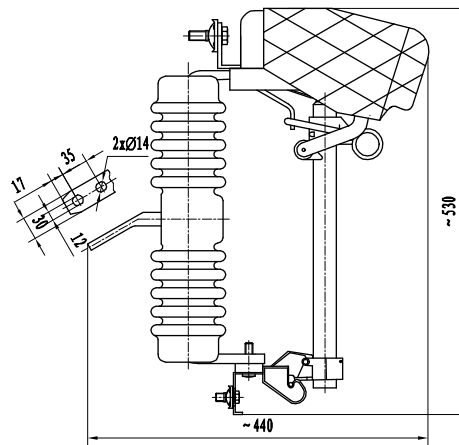
6.2 (H) RW12(PD1)-12F Series Outline Drawing



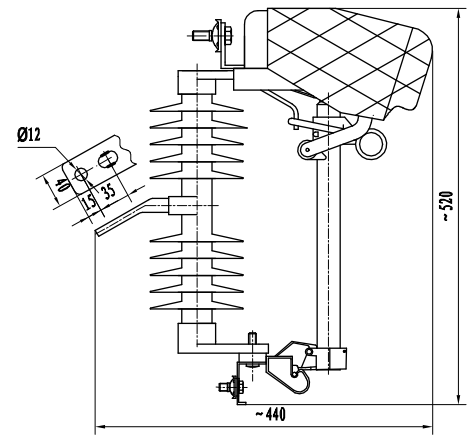
RW12(PD1)-12



HRW12(HPD1)-12



RW12(PD1)-12F



HRW12(HPD1)-12F