

### Overall dimensions of installation

The switch disconnector is rail mounted, the overall dimensions of installation refer to Fig. 1.

Unit: mm

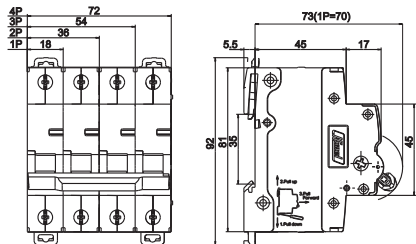


Fig.1 Overall dimension of installation

### Installation, use and maintenance

● Before installing switch disconnector:

- (1) Used in conjunction with circuit breaker or fuse
- (2) Check whether the technical data on the printing conform to use requirement.
- (3) Make closing/ opening operation for several times to check whether there have clamping stagnation phenomenon on the operating mechanism, and the mechanism operation is reliable.

● When installing switch disconnector:

- (1) The cross-sectional area connecting to the conductor shall match the rated current of tripping release, refer to Table 2.

Table 2 Rated current and cross-sectional area of conductor

Rated current, A	32	63	100	125
Cross-sectional area of conductor, mm <sup>2</sup>	6	16	35	50
Min. length of conductor, m	1	1	1	2

(2) This series of switch disconnector adopts TH35-7.5 DIN rail to install

### Unpacking inspection

After opening the box, the user must check whether the product is intact, whether there is rust on the exposed metal parts, and whether there is any defect that may be caused by improper transportation or storage. Once any of the aforesaid phenomena is found, the product can not be used, please contact the supplier in a timely manner to solve.

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# HDG9

## Switch Disconnector

# User Manual

Applicable standards: IEC60947-3  
Please carefully read this user manual before installation and usage of the product.  
The user manual must be well kept for future use.



### Safety Notice

Please read this Instruction for Use before installation, operation, running, maintenance and inspection, as well as install and use this product correctly according to the contents contained in this Instruction for Use.

#### ⚠ Danger:

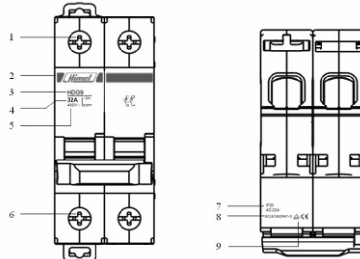
- Never operate switch disconnector with wet hands.
- Never touch conducting part during operation.
- Ensure product is not electrified during maintenance.
- Never test product through method of short circuit.

#### ⚠ Caution:

- Only the operator with professional competence is allowed to maintain and install this product.
- The characteristics of product have been set before ex-work, and no private disassembly and adjustment is allowed during product use.
- This product can not be used solely, and must be used together with fuse protector and circuit breaker with same rated current.
- Please verify whether the working voltage, rated current, frequency and characteristics of product is in accordance with the working requirements.
- Should make insulation treatment to naked conductor and copper busbar at terminal port in order to prevent phase-to-phase short circuit.
- Should stop use and contact supplier immediately if any damage or abnormal noise is found to the product after unpacking.
- Please properly handle industrial wastes after the product is disused. Thanks for your cooperation.

### About HDG9-125 SWITCH DISCONNECTOR

#### ● Panel introduction



#### Designation:

- 1 Terminal post    2 Company logo    3 Product model  
4 Rated current (A): 32, 63, 100, 125    5 Rated voltage: 230V(1P)/400V  
6 Terminal post    7 Frequency    8 Protection level and type of use  
9 Applied standard    10 Certification mark

#### Conditions of normal use, installation and transportation

##### ● Conditions of normal use

- (1) The limited ambient temperature shall be lower than +70°C and higher than -30°C during normal use and installation, as well as the average temperature within 24 hrs. should not exceed +35°C.
- (2) The sea level of installation place should not exceed 2000 m
- (3) The relative humidity should not exceed 50% at a maximum temperature of +70°C; the relative humidity is allowed to increase while under lower temperature, for instance 90% for temperature

+20°C, but should take specific action for condensation which may happen now and then when temperature is changed.

##### ● Conditions of normal installation

- (1) Should be installed in the environment without explosive media, containing air and dust that may cause metal corrosion and insulation damage
- (2) Should be installed in the place without obvious shocking and heavy rain & snow.
- (3) Type of installation: Type II & III;
- (4) Pollution degree: Level 2
- (5) Utilization category: AC-22A

##### ● Conditions of normal storage and transportation

- (1) The limited ambient temperature shall be lower than +85°C and higher than -40°C during normal storage and transportation.
- (2) The relative humidity should not exceed 95% under 25°C.
- (3) The product should be handled properly, no upside down and should avoid violent collision.

#### Technical Characteristics

##### ● Classification

According to number of poles: 1 Pole, 2 Poles, 3 Poles and 4 Poles.

##### ● Main technical data, refer to Table 1:

Table 1 Main technical data

Max. rated current of frame, A	Rated current, Ie A	Pole(s)	Rated voltage Ue V	Operating performance (time(s))		Rated short time withstand current Icw
				Load	No load	
125	32	1	230	1500	8500	12Ie 1s
	63					
	100	2,3,4	400			
	125					