7 Warranty

Under the normal storage and transportation conditions and the packaged products themselves are in good condition, the warranty period is 24 months from the date of product word production. The warranty does not include below:

① Damage caused by improper use, storage, and maintenance.
② Damage caused by non-assigned organization or personnel, independent disassembly and maintenance.
③ Product exceeds the warranty period.
④ Damage due to force majeure factors.

8 Environmental protection

In order to protect the environment, when the product or its component is scrapped, please dispose properly according to the industrial waste, or submit it to the recycling treatment station for classification and recycling according to relevant international regulations.

Safety tips

(1) Products are strictly prohibited to install in an environment containing flammable and explosive gas or wet condensation, and wet hand is prohibited to operate the product.
(2) During the product work, it is strictly prohibited to touch the product conductive parts.
(3) During the installation, maintenance and maintenance products, please ensure power off.
(4) Do not be installed where the gaseous medium can corrode metal and damage insulation.
(5) To avoid dangerous accidents, the product installation and fixation shall be conducted in strict accordance with the instructions.

Certificate

Model: GRM3DC series

Product Name: DC Molded Case Circuit Breaker

The product is inspected and approved to meet the standard IEC/EN 60947-2 and GB/T 14048.2.

Inspector: PD1 test 17

Inspection Date: According to the product or packaging

ZHEJIANG GEYA ELECTRICAL CO., LTD

GRM3DC Series
DC Molded Case Circuit Breaker

Operating Instruction

Thank you for purchasing this product, and please read the operating instructions carefully before installing, using or maintaining the product.

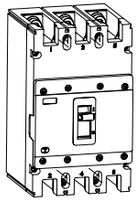
Standard：IEC/EN 60947-2、GB/T 14048.2

1 Information for use

① Normal ambient temperature of product: -5℃ - + 40℃ Note: If used within-35℃ - + 70℃, please consult with the manufacturer.
② If used at the altitude more than 2000m, consult with the manufacturer.
③ Pollution level: Level 3
④ Main circuit installation category: Ⅲ
⑤ Housing protection level: IP20

2 Inspection and test

Inspection



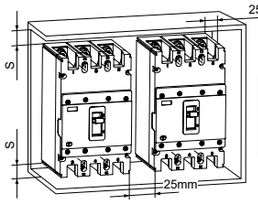
Necessary tool

cross screwdriver

Model	Mounting screw	Quantity
GRM3DC-320HU	M4X90	4
GRM3DC-400HU	M5X75	4

1. To determine the product technical parameters.
2. The installation, operation and maintenance of the products are limited to professional qualified personnel.

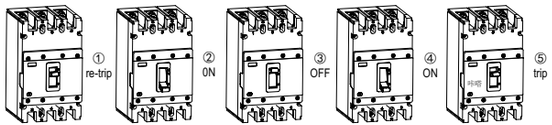
Minimum mounting distance



Model	S
GRM3DC-320HU	50
GRM3DC-400HU	70

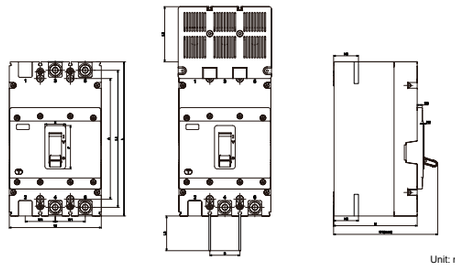
Ensure the minimum installation distance

Test



3 Outline and mounting dimension

GRM3DC outline and mounting dimension

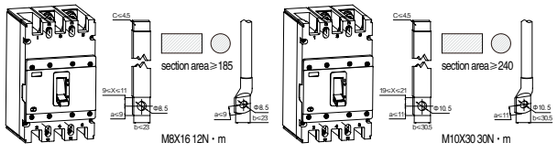


Unit: mm

DIMENSION TYPE	DIMENSION CODE	GRM3DC-320HU（DC1000V 2 Pole）	GRM3DC-320HU（DC1500V 3 Pole）	GRM3DC-400HU（DC1500V 4 Pole）
OUTLINE DIMENSION	L	180	180	258
	L1	160	160	224
	L2/L3	-/90.5	64.5/90.5	-/100
	W	76	107	198
	W1	35	35	48
	E	24	24	53
	F	50.5	50.5	76
	H	97.5	97.5	96
	H1	126	126	146
	H2	29.5	29.5	36.5
	H3	29.5	29.5	37.5
	H4	1	1	5
	H5	6	6	11.5
MOUNTING DIMENSION	A	141	141	215
	B	35	35	44
	Φd	4.2	4.2	6

4 Mounting and wiring

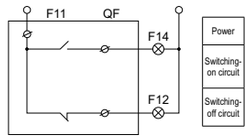
GRM3DC-320HU



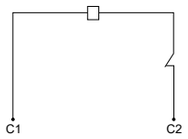
GRM3DC-630HU

5 Accessory information

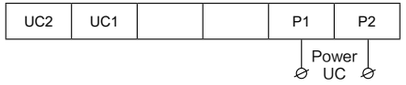
Auxiliary contact wiring diagram



Shunt release wiring diagram

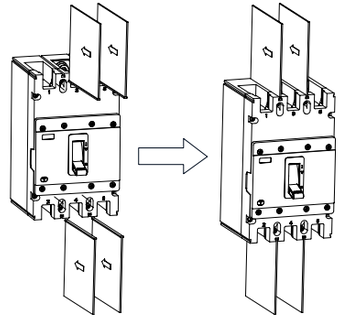


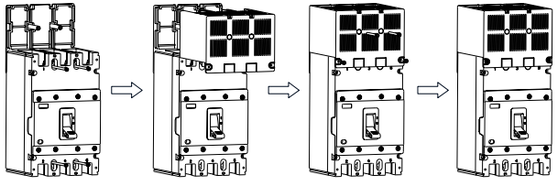
Undervoltage release wiring diagram



6 Accessory information

Installation of the phase interval arc plate



1. Shield must be installed before the product runs
2. Check that the product wiring is correct
3. The insulation resistance inspection to the ground shall be not less than 10MΩ after installation

Installation of partitions and shields