3SERIES
MORE VALUE FOR PRICE!

User manual
Manuel d'utilisation
دليل المستخدم

HDM3

Molded Case Circuit Breaker
Disjoncteurs à boîtier moulé
قواطع الدوائر الكهربائية

Himel
The Right Choice!

Complied Standard: IEC/EN 60947-2
☐Please carefully read the User Manual before the installation and use of the products, keep it properly as backup.

Conforme à la norme: CEI/EN 60947-2
☐Lire attentivement ce manuel d'utilisation avant montage et utilisation du produit. Conserver le manuel d'utilisation.

الامتثال للمعيار IEC/EN 60947-2 قراءة هذا دليل التعليمات بعناية قبل الجمعية واستخدام المنتج. احفاظ بدليل المستخدم.

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Safety Notice

⚠Danger

- Do not operate the breaker and touch the energized parts (conductors and ports) with wet hands during use, otherwise it may cause electric shock and burning danger;
- Cut off the higher power and ensure that the incoming terminals are electrically neutral and grounded, maintenance and service; otherwise it may cause serious consequences and endanger personal safety;

⚠Caution

- The installation, maintenance and service shall be implemented by qualified persons;
- Characteristics of the product have been set when delivery and cannot be adjusted at will during use;
- Confirm whether the working voltage, rated current, frequency and characteristics of the product meet the working requirements before use;
- To prevent interphase short circuit, the bare wire or copper busbar at the terminal shall be insulated;
- To test the insulation resistance or power frequency withstand voltage, it is required to disconnect the electronic components between the current loop to prevent damage to the product performance;
- The accessories and accessories we provided as the optional accessories to ensure quality. We are not responsible for all adverse consequences generated from the use of the accessories not provided by us;
- Energize the rated voltage of the undervoltage release before switching on the product with an undervoltage release;
- Stop using and contact the supplier immediately in case of any damage or abnormal sound during unpacking;
- Make industrial waste treatment for product scrap. Thank you for your cooperation.

⚠Product Test

Insulation test
The breaker has been subject to the insulation test stipulated in the standard before delivery. The retest, if required before installation, shall follow the steps below:
(1) Use 1000V DC megger (500VDC megger for HDM3-63)
(2) Insulation test between the phase and shell, between the phases and between the phase and the shell (the shell is covered by tinsel)
(3) The undervoltage release connected to the main circuit is between the incoming line and the breaker shell
(4) The insulation resistance shall be no less than 20MΩ
(5) The power frequency withstand voltage test: Apply the 2times of a power frequency withstand voltage tester in case of the absence of a megger. Refer to the insulation test methods for the measuring parts and apply the voltage at 2000V/5s.
Please note the information with ⚠

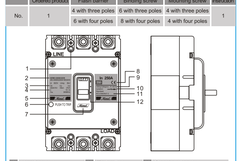
Table of Contents

02-03	About HDM3
04-04	Accessories
05-14	HDM3 Installation
14-14	Operate and debug HDM3
15-15	Overall and Installation Dimensions of HDM3

About HDM3

Packing list

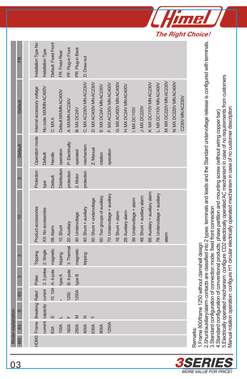
	Ordered product	Flash barrier	Binding screw	Mounting screw	instruction
No.	1	4 with three poles 6 with four poles	6 with three poles 8 with four poles	4 with three poles 4 with four poles	1



1	Mounting hole	4	Test button	7	Coupled standard
2	Product name	5	Brand trademark	8	Closing, tripping and opening
3	Technical parameters	6	Certification mark		
4	Breaking capacity	7	Use category		
5	Brand name	8	Breaker with isolating function		

Product Service Environment and Conditions

- Protection class: IP20
- Pollution class: 3
- Proper operating temperature range is -5 ~+40℃ and the average temperature within 24 hours shall not exceed +35℃ (Please contact the manufacturer if exceeding this range).
- The altitude at the installation site cannot be higher than 2000m, otherwise, degrade the products.
- The relative humidity of the atmosphere shall not exceed 50% at maximum ambient temperature +40℃. The relative humidity can be higher at a lower temperature (such as 90% at +20℃) and the condensation on the product surface due to temperature variation shall be considered.



Remarks:
1. Protection class: IP20(for the product installed in the enclosure)
2. Short-circuit protection devices are needed for the upstream of the product.
3. Standard configuration of accessories: Auxiliary contact, alarm contact, undervoltage release, shunt release, Isolation Type Handle, Rotary Handle (Direct Front Panel Mounted), Rotary Handle (Door Mounted), Rotary Handle (Extended Shaft Mounted), Terminal Shield, Left Extension Terminal, Right Extension Terminal, Phase Partition, Busbar Connection Terminal, Busbar Connection Terminal (Left Extension), Busbar Connection Terminal (Right Extension), Busbar Connection Terminal (Both Sides Extension), Busbar Connection Terminal (Left Extension Terminal + Right Extension Terminal), Busbar Connection Terminal (Left Extension Terminal + Busbar Connection Terminal (Right Extension)), Busbar Connection Terminal (Right Extension Terminal + Busbar Connection Terminal (Left Extension)), Busbar Connection Terminal (Both Sides Extension Terminal + Busbar Connection Terminal (Both Sides Extension)), Busbar Connection Terminal (Both Sides Extension Terminal + Busbar Connection Terminal (Left Extension)), Busbar Connection Terminal (Both Sides Extension Terminal + Busbar Connection Terminal (Right Extension)), Busbar Connection Terminal (Both Sides Extension Terminal + Busbar Connection Terminal (Both Sides