3SERIES
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User manual
Manuel d'utilisation
دليل المستخدم

HDM3E

Molded Case Circuit Breaker
Disjoncteurs à boîtier moulé
قواطع الدوائر الكهربائية

Himel
The Right Choice!

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

Conforme à la norme: CEI 60947-2
☐Veuillez lire attentivement le mode d'emploi avant d'utiliser ce produit et conservez-le en lieu sûr.

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

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Safety notification

Before the installation, handling, operation, maintenance and inspection of this product, please carefully read this instruction, and accurately install and use this product according to the content in the instruction.

⚠ Risk

- It is strictly forbidden to operate the circuit breaker with wet hands and touch the electrifying part (Conductor and port) in service, otherwise the risk of electric shock and burns may occur.
- During the care and maintenance of this product, the superior power must be cut off first and make sure that the inlet wire terminals are not charged, otherwise serious consequences will be caused and it may endanger personal safety.

⚠ Attention

- It is forbidden to open the circuit breaker middle cover without permission.
- In the installation, care and maintenance of this product, it should be carried out by qualified personnel.
- Before using this product, please confirm whether the product's working voltage, rated current, frequency and on-off indicators meet the work requirements.
- In order to prevent interphase short circuit, insulation treatment should be carried out for exposed conductor or copper bus at the connection end. If the product has arc plate, it must be installed before use.
- If the product is damaged when unpacking, stop using it immediately and contact the supplier.
- If you need to choose accessories, please choose the accessories provided by our company to guarantee the quality. We will not be responsible for any consequences arising from users' use of the accessories not produced by our company.
- If the product is equipped with the under voltage tripper, the under voltage tripper must first pass the rated voltage before being switched on;
- It is strictly forbidden to test the short circuit performance by direct contact with the phase line.
- When the product is scrapped, please dispose of the product waste. Thank you for your cooperation.

⚠ Product test

Insulation test
The insulation test of the circuit breaker has been performed in accordance with the standard measurement before leaving the factory. If the insulation retest is performed before installation, the steps are as follows:
1) Please use a 1000V DC megger meter.
2) The insulation resistance should be less than 20MΩ
3) Disconnect the circuit breaker inlet and outlet wire terminal (product disconnection), interphase and phase, and case (case can be covered with metal foil).
4) In the under-voltage tripper connected to the main circuit, between the inlet line and the breaker case
Note: If the user does not have a megger meter, labor frequency puncture tester can be used for substitution. The measurement site is as described above. The applied voltage to 125-630 case is 2000V for 5 seconds while the applied voltage to 800 case is 2200V for 5 seconds.
Please pay attention to the information with ⚠

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1 Transportation, storage and service environment

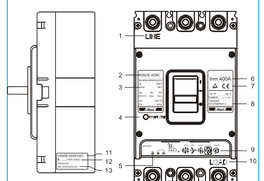
1.1 Try to avoid destructive action like the weight squeeze and throwing in the process of transportation, so as not to damage the product.
1.2 Allowable ambient temperature (-25℃ ~ +60℃), relative humidity (at an ambient temperature of 25℃) ≤ 95%, 24h average temperature is not exceeding 35 ℃ (Notes: please contact the manufacturer if it is used in the range of -40 ℃ ~ - -25 ℃ and +40 ℃ ~ +70 ℃);
1.3 Product service environment
- The product protection grade is IP20;
- The pollution level is level 3;
- Installation site shall be no more than 2000m above sea level. If it is more than 2000m, it shall be used with the capacity being reduced;
- The relative humidity of the atmosphere is no more than 50% at the highest surrounding humidity +40 ℃; there is a higher relative humidity at a lower temperature (for example, 90% at +20 ℃), taking into account the condensation occurring on the surface of the product due to humidity changes.
- Do not install the product in the areas where the external magnetic field is 5 times more than the ground magnetic field. Otherwise, the circuit breaker cannot work normally.
- Do not install in the environment containing explosive gas, otherwise there is a risk of explosion;
- Do not install in areas where gas media can corrode metals and damage insulation.

2 Open case inspection

Open the case to inspect the following when receiving the product:
2.1 If there is no damage to the outer shell or breakage of the handle in the process of transportation;
2.2 There shall be the following item list in the packing case

Packing goods	Purchased product	interphase barrier	Terminal screw	installation screw	User manual	Lengthen handle (630/800)
Quantity	1set	4 pole(3 pcs) 6 pole(3 pcs)		4 pcs	1 pc	1 pc
		6 pole(4 pcs) 8 pole(4 pcs)				

3 Product mode


LINE
1
2
3
4
5
6
7
8
9
10
11
12
13
Trim:400A
Ue:AC400V
Ui:AC690V
Uimp:8kV
Icu:35kA
Ics:100%Icu
IEC60947-2
CE
Rotation Operation
Push Manual Operation
Rotation Operation
Auxiliary Contact Mounting Position
Alarm Contact Mounting Position
Shunt Release Mounting Position
Under Voltage Release Mounting Position
Rotation Operation
Rotation Operation
Rotation Operation