

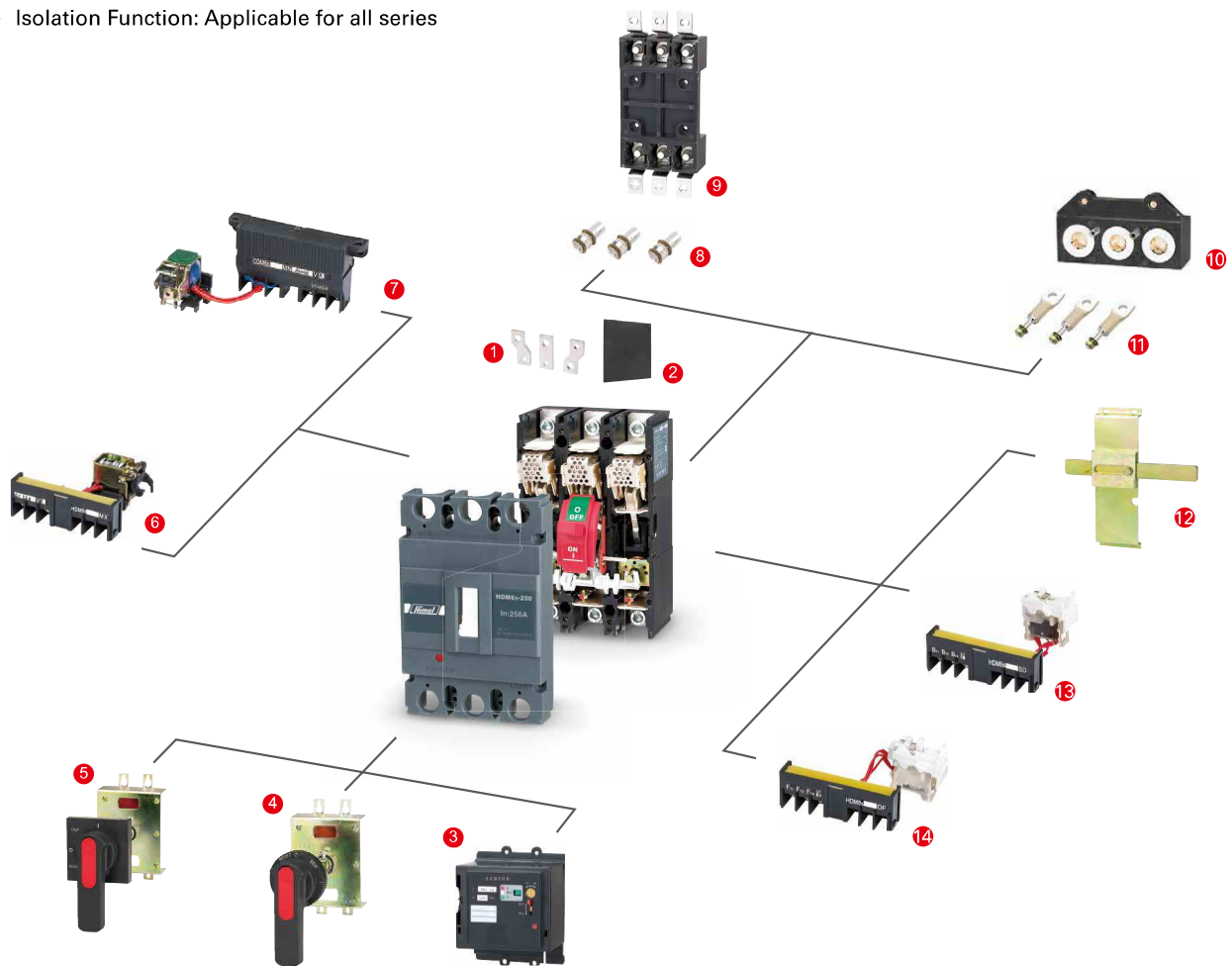
HDM6s Molded Case Circuit Breaker

Standard: IEC/EN 60947-2



Basic Technical Data

- Rated Insulation Voltage U_i : AC 800V (Frame 63AF: AC 690V)
- Rated Impulse Withstand Voltage U_{imp} : 8KV (Frame 63AF: 6KV)
- Rated Working Voltage U_e : AC 415V (Frame 63AF: AC 400)
- Rated Working Frequency: 50Hz/60Hz
- Utilization Category: A
- Isolation Function: Applicable for all series



Complete Functions and Accessories

1 Spreader	6 MX	11 Fixed Rear Connection
2 Phase Barrier	7 MN	12 Mechanical Interlock
3 AC Motor Mechanism	8 Plug-in Connecting Terminal	13 SD
4 Round Extended Rotary Handle	9 Plug-in Front Connection	14 OF
5 Square Extended Rotary Handle	10 Plug-in Rear Connection	

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Complete Accessories of HDM6s Series

Indicating Accessories

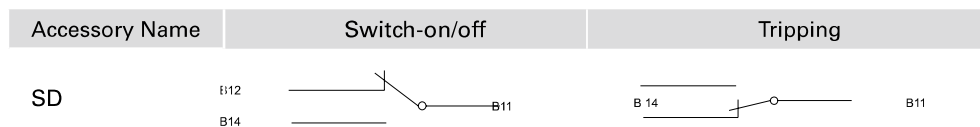
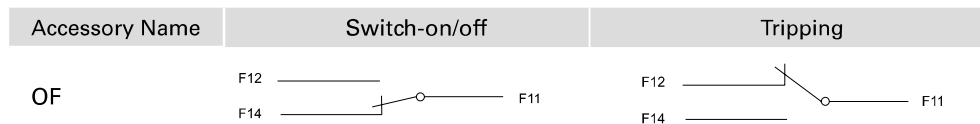
Auxiliary Contact (OF):

It is used to indicate the two positions of circuit breaker: not tripping (ON/OFF) and tripping. With the 5 reasons, the SD may indicate circuit breaker in tripping position.

Alarm Switch (SD):

It is used to indicate the two positions of circuit breaker: not tripping (ON/OFF) and tripping. With these 5 reasons, the SD may indicate circuit breaker in tripping position.

- Overload or short-circuit fault
- Residual earth-leakage fault
- Artificial Testing Release
- Shunt Trip Release
- Line Fault and Under-voltage Release Tripping



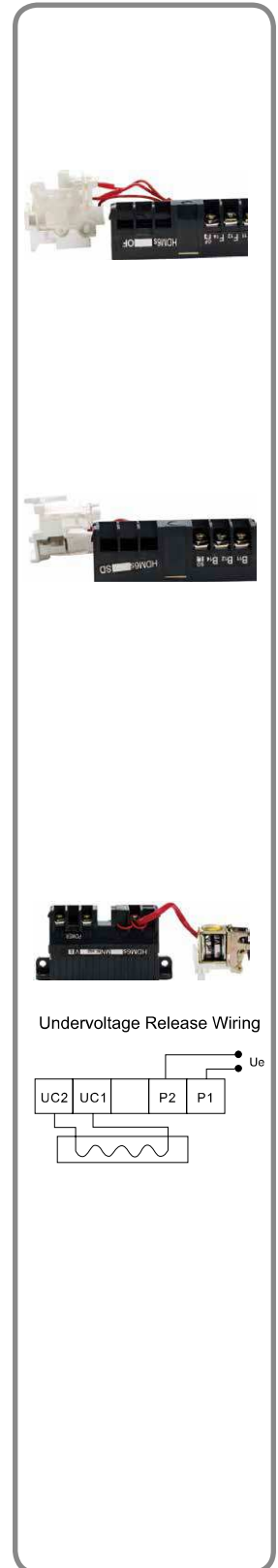
Electrical Parameter of OF & SD		
Rated Thermal Current (A)	3A	
Utilization Category	AC15	DC13
Working Current 50Hz/60Hz	AC400V	0.3A
	DC220V	0.15A

Control Accessories

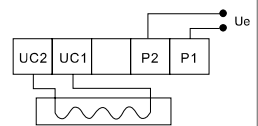
Under-voltage Release (MN)

Tripping threshold between 0.35 and 0.7 times the rated voltage; when it is at 85%-110% of rated working voltage, Under-voltage Release shall ensure the circuit breaker to switch-on; when the rated working voltage is less than 35%, Under-voltage Release shall prevent switch-on of the circuit breaker

Applicable Type of Circuit Breaker	Power Consumption of Under-voltage Coil (W)	
	AC400V	AC230V
HDM6s63	4	3.1
HDM6s100	3.9	3.2
HDM6s250	4.3	3.3
HDM6s400	3.6	2.5
HDM6s630	3.4	2.5
HDM6s800	2	1.6



Under-voltage Release Wiring



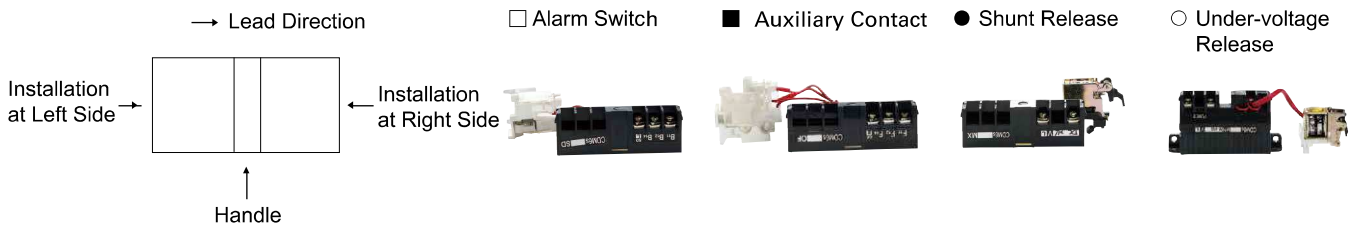
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Installation Location of Accessories Accessories of HDM6s Series

Installation Method for Tripping Release and Accessories Code



Name of Accessory	Product Type			
	HDM6s63/100/250	HDM6s400	HDM6s630	HDM6s800
Alarm Switch				
Shunt Release				
Auxiliary Contact				
Under-voltage Release				
Auxiliary Contact Shunt Release				
Shunt Release Under-voltage Release				
Auxiliary Contact Undervoltage Release				
Shunt-trip Release Alarm Switch				
Under-voltage Release Alarm Switch				
Shunt Release Auxiliary Contact Alarm Switch				
Auxiliary Contact Under-voltage Release Alarm Switch				