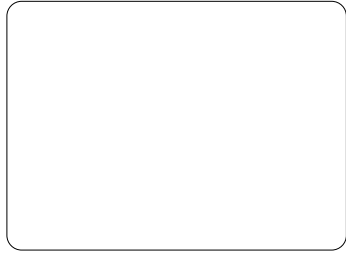
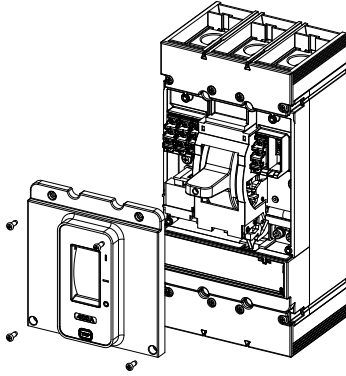


Internal Accessories



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Homepage : www.hd-hyundaelectric.com

CAUTION

- Before installation, be sure to read the manual carefully to ensure proper operation
- Installation, maintenance and inspection of the circuit breaker should be performed by persons who are qualified for electric work.

Attention

- Avant l'installation, assurez-vous de lire attentivement le manuel afin de garantir un fonctionnement correct.
- L'installation, la maintenance et l'inspection du disjoncteur doivent être effectuées par des personnes qualifiées pour les travaux électriques.

Precaución

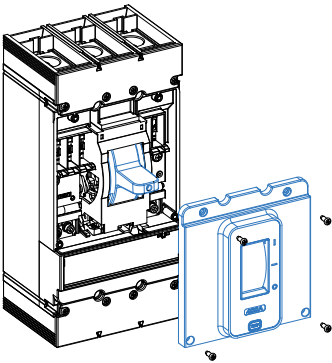
- Antes de la instalación, asegúrese de leer cuidadosamente el manual para garantizar un funcionamiento correcto.
- La instalación, el mantenimiento y la inspección del interruptor automático deben ser realizados por personas calificadas para trabajos eléctricos.

Part list / Liste des pièces / Lista de piezas

Type	AUX12GU ALT12GU	AUX25GU ALT25GU	AUX60GU ALT60GU	SHT12GU	UVT12GU	SHT25GU	UVT25GU	SHT60GU	UVT60GU
Applied Model (MCCB)	HGU125	HGU150 HGU250	HGU400 HGU600	HGU125		HGU150 HGU250		HGU400 HGU600	
	1	-	-	-	-	-	-	-	-
	-	1	1	-	-	-	-	-	-
	-	-	-	1	1	-	-	-	-
	-	-	-	-	-	1	1	-	-
	-	-	-	-	-	-	-	1	1
	-	-	-	-	1	-	1	-	1
	-	-	-	-	-	-	-	1	1
	1	1	1	1	1	1	1	1	1

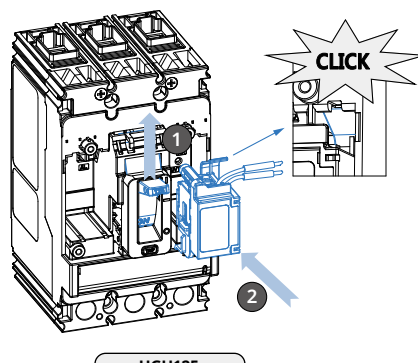
Installation / Installation / Instalación

1 Open front cover in trip condition.

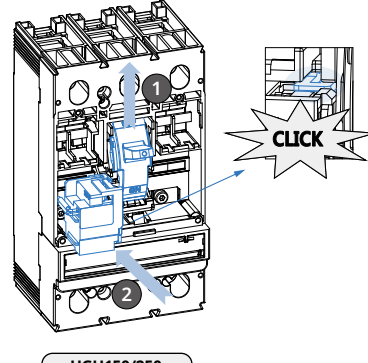


2-1 Sht & uvt coil assembly

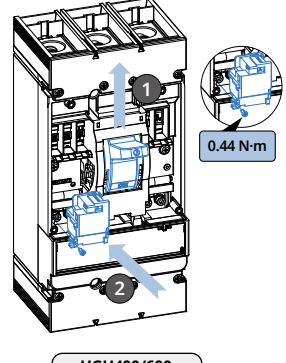
▲ Move the handle to the ON position in the tripped condition, then assemble.



HGU125

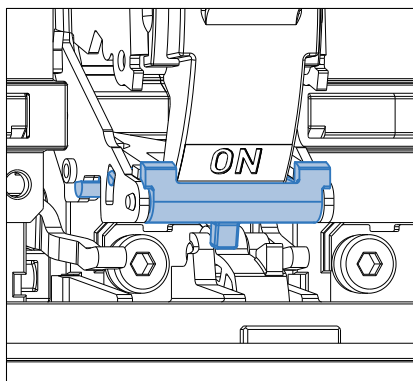


HGU150/250

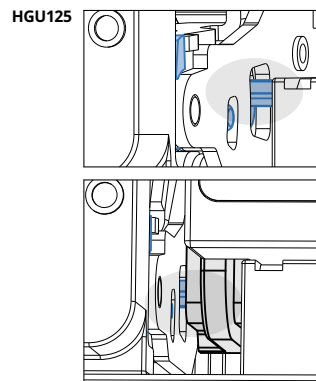


HGU400/600

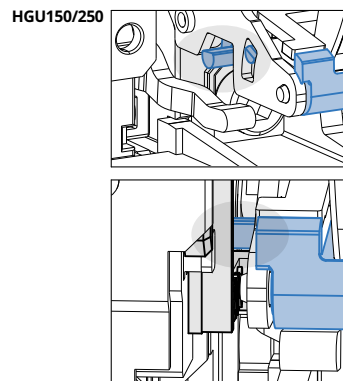
Caution / Attention / Precaución



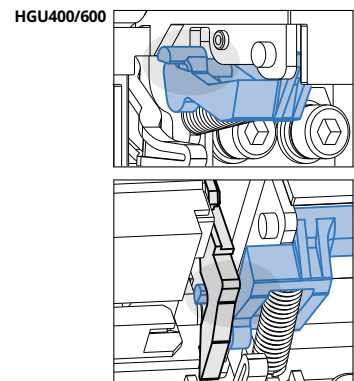
▲ Check the circuit breaker mechanism for the TRIP state as shown in the illustration.



HGU125



HGU150/250

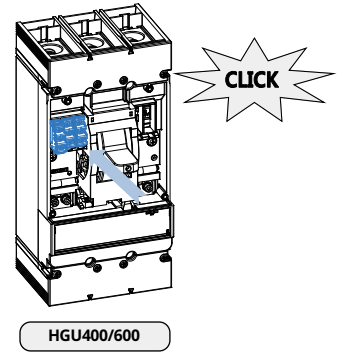
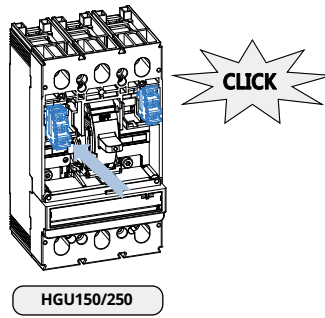
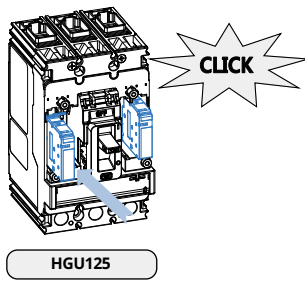


HGU400/600

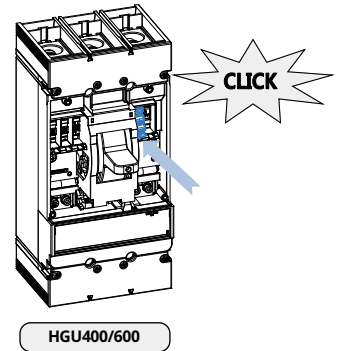
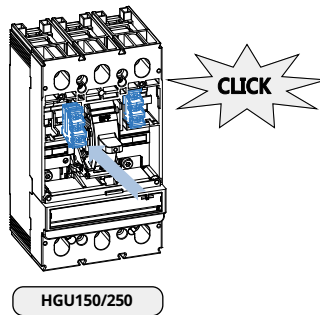
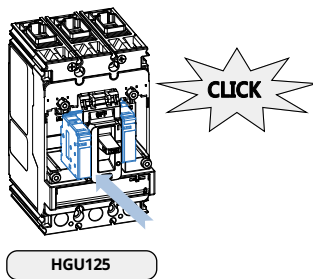
▲ Check the position of the SHT/UVT coil lever as shown in the illustration. The component may be damaged if it is operated while in the incorrect position.

Installation / Installation / Instalación

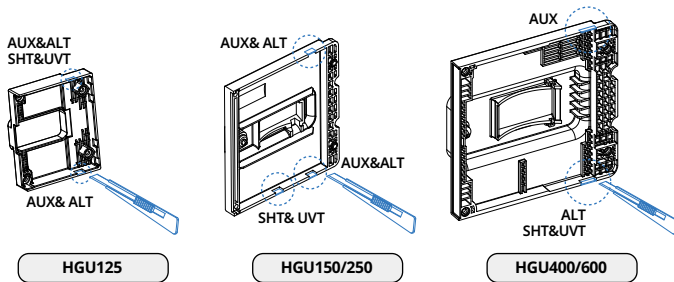
2-2 AUX Assembly



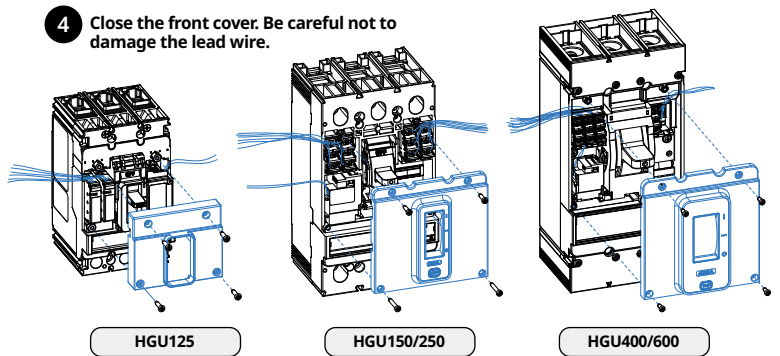
2-3 ALT Assembly



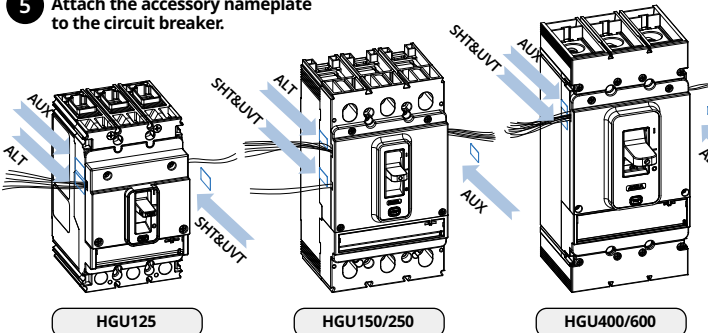
3 Front Cover Cutout for Wiring



4 Close the front cover. Be careful not to damage the lead wire.



5 Attach the accessory nameplate to the circuit breaker.



AUX Name plate	
AUX. SWITCH	11 12
AC125V 5A	a b
AC250V 3A	10
DC125V 0.4A	
DC250V 0.2A	

ALT Name plate	
ALARM SWITCH	7 8 9
AC125V 5A	a b
AC250V 3A	TRIP
DC125V 0.4A	
DC250V 0.2A	

SHT Name plate	
SHUNT TRIP	
AC440V-480V	3 5
50/60Hz	

UVT Name plate (with controller)	
UNDervoltage TRIP	
INPUT: CONTROLLER	
AC440-480V 50/60Hz	
OUTPUT: DC45V SOURCE	

rated voltage

Operation test / Essai de fonctionnement / Prueba de funcionamiento

Auxiliary switch(AUX) and Alarm switch(ALT)

- The AUX and ALT shall comply with the specifications listed in the table and shall operate according to the position of the circuit breaker.

Circuit breaker	ON	OFF	TRIP
Position of AUX	11 12 a b 10	11 12 a b 10	
Position of ALT	7 8 9 a b	7 8 9 a b	7 8 9 a b

Shunt trip devices(SHT)

- The circuit breaker shall be tripped when the SHT is energized with the voltage specified below.
- Rated voltage and frequency range
 - AC/DC 70%-110% Ue (Ue: Rated voltage)
 - Frequency: 45 Hz-65 Hz (applicable to AC only)

Under voltage trip devices(UVT)

- The circuit breaker operates according to the supply voltage applied to the UVT.
- The circuit breaker shall remain closed when the supply voltage is at least 85% of the rated voltage.
- The circuit breaker shall be tripped when the supply voltage is between 35% and 70% of the rated voltage, or when no voltage is applied.
- Rated voltage and frequency range
 - Closing operation voltage: $U \geq 0.85 \times U_e$ (Ue: Rated voltage)
 - Trip voltage: $U \leq 0.35 \times U_e$ (Ue: Rated voltage)
 - If the supply voltage is between $0.35 \times U_e$ and $0.7 \times U_e$, tripping is possible.
 - Frequency: 45 Hz-65 Hz (applicable to AC voltage only)