






# Internal Accessories

## Electrical Auxiliaries of 125AF - 400AF

	<p><b>Shunt Trip (SHT)</b> The shunt trip opens the mechanism in response to an externally applied voltage signal. Shunt trips include clearing contacts that automatically clear the signal circuit when the mechanism has tripped.</p>
	<p><b>Under Voltage trip (UVT)</b> The under voltage trip coil automatically opens a circuit breaker when voltage drops to a value ranging between 35% to 70% of the line voltage. The operation is instantaneous and the circuit breaker cannot be re-closed until the voltage returns to 85% of line voltage. Continuously energized, the under voltage trip must be operating before the breaker can be closed.</p>
	<p><b>Auxiliary Switch (AX)</b> Auxiliary switch is for applications requiring remote ON and OFF indication. Each switch contains two contacts having a common connection. One is open and the other closed when the circuit breaker is open and vice-versa.</p>
	<p><b>Alarm Switch (AL)</b> Alarm switches offer provisions for immediate audio or visual indication of a tripped breaker due to overload, short-circuit, operation of shunt trip or under voltage trip conditions, operation of push button. They are particularly useful in automated plants where operators must be signaled about changes in the electrical distribution system. This switch features a closed contact when the circuit breaker is operated manually. Its contact is open when the circuit breaker is reset.</p>
	<p><b>Combination Switch (AX+AL)</b> It consists of one Auxiliary Switch (AX) and Alarm Switch (AL) in a body to connect into the same position in the breaker</p>

## Maximum Possibilities for Internal Accessories

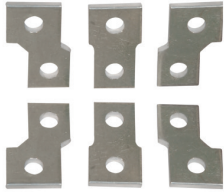
FOR MCCB - CSE1, CSE2 (16~250A)				FOR MCCB - CSE3 (250~400A)			
MCCB with Thermal Release		MCCB with MicroProcessor Release		MCCB with Thermal Release		MCCB with MicroProcessor Release	
3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole

● Alarm Switch    ○ Auxiliary Switch    ▲ Under Voltage Release  
■ Shunt Release    □ Combination Switch (AX+AL)    ⊗ No seat available

### Notes:

- 3Pole, MCCB with Thermal Release, Any two accessories can be fitted at one time
- 4Pole, MCCB with Thermal Release, Any Three accessories can be fitted at one time
- 3Pole MCCB with Microprocessor Release, Right hand seat is not available. Hence, one accessories can be fitted at one time.
- 4Pole MCCB with Microprocessor Release, Any two accessories can be fitted at one time.
- UVT can be fitted only in left hand seat.

# External Accessories



## Extended Terminals

It is recommended to use extended terminals for enhancing terminal capacity and phase clearance.



## Mechanical Interlocking Device

The Mechanical Interlock (MIT) can be applied on the front of two breakers mounted side by side, in either the 3-Pole or 4-Pole version and prevents simultaneous closing of the two breakers. Fixing is carried out directly on the cover of the breakers.



## Removable locking device

This device allows the handle to be locked in the OFF Position.



## Key Lock

This device is used to lock the circuit-breaker in TRIP & OFF position.