

Accessories



Accessories for VCB

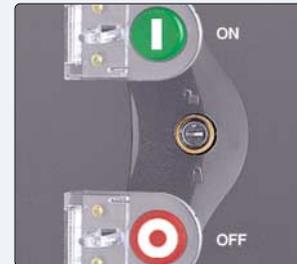
Key lock

When it is locked by a key, the closing operation is not available (electrically and mechanically) without a Key.



Button padlock

Button padlock protects 'ON' or 'OFF' button when accident is occurred by operation at discretion. It is available to operate after release button padlock.



Button cover

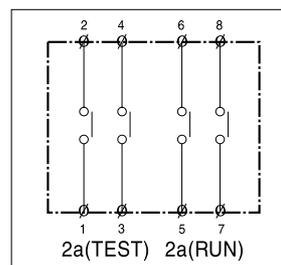
Button cover protects 'ON' or 'OFF' button when accident is occurred by operation at discretion. It is available to operate by push bar.



Position switch (Cell switch)

Indicating the position (Run or Test) of a VCB, by mechanically pressing the switch when a VCB change the position.

- RUN: 2a
- TEST: 2a



Note) In case that position of VCB changed to "Run" or "Test" position, "a" contact will be closed.



Vacuum Circuit Breaker

Accessories

Accessories for VCB

Secondary coil (Preparatory trip coil)

The main coil and the preparatory coil is connected in parallel. So even though there happens a fault in the trip coil, the VCB can be tripped by one of the two trip coils.

Latch checking switch

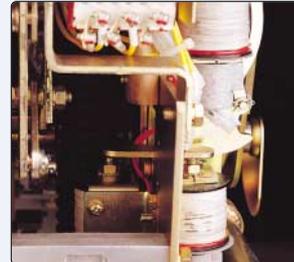
When the Latch is in abnormal position, the Latch checking switch prevents the closing operation even though there is the 'Closing' signal.

Charge indicator

Remotely indicates the charging is completed.
(Standard Feature)
- Terminal No.: 9, 10

Position padlock

The hole to prevent the draw-in and out of a VCB from the present position. ('Run' or 'Test')
Standard option in the interlock lever of the E, F class draw-out type VCB. (Hole size = \varnothing 8)



Accessories for Cradle

Earthing switch (for G class draw-out type only)

For the safety during the maintenance of a VCB panel, discharge the charging current in the load side of a VCB with this earthing switch.

Padlock of earthing switch (for G class draw-out type only)

To prevent the accident through carelessness earthing switch operation, the locking of the earthing switch is available when the switch is in 'OFF' position.

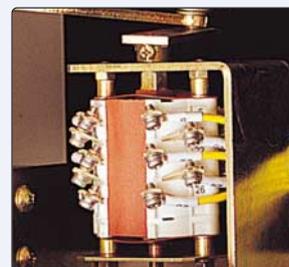
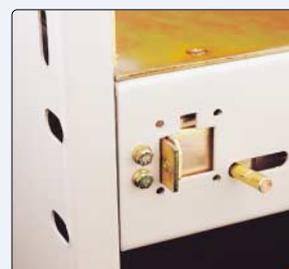
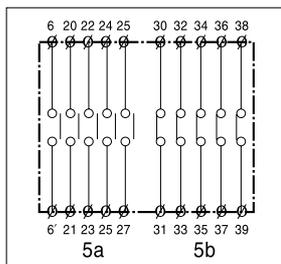
(Hole size = $\varnothing 8$)

Position switch of the earthing switch (for G class draw-out type only)

Indicates the 'ON' or 'OFF' status of the earthing switch. (5a5b)

Locking coil of earthing switch (for G class draw-out type only)

To prevent the accident through carelessness earthing switch operation, the earthing switch can be changed to 'ON' position after releasing the lock by magnetizing the coils.



<Earthing Switch Position Switch>



<Earthing Switch Locking Coil>

Vacuum Circuit Breaker

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Accessories for Cradle

Shutter padlock

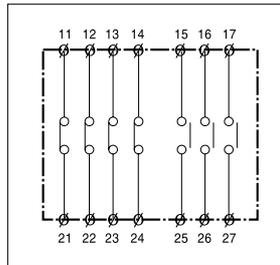
The hole to lock the shutters (load and line side) in close position, to increase the safety during the maintenance of a VCB draw-out position.

(Hole size = $\varnothing 8$)

Mechanically operated cell switch (MOC)

-for G class draw-out type only

The auxiliary switch (3a4b), which indicate the 'ON' or 'OFF' condition of a VCB, but operated only when the VCB is in 'Run' state. (Installed in the bottom of a cradle)

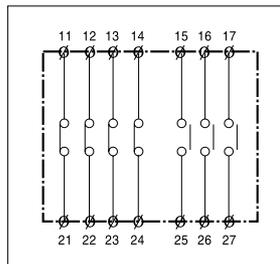


Note) #11, 21 are Early "b" contact

Truck operated cell switch (TOC)

-for G class draw-out type only

The auxiliary switch (3a4b), which indicate the 'Run' state of a VCB and is operated by the movement of a VCB frame. (Installed in the bottom of a cradle)



Note) #11, 21 are Early "b" contact

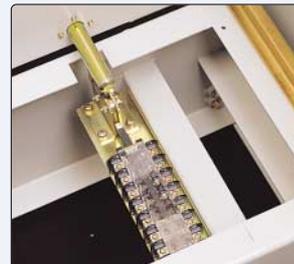
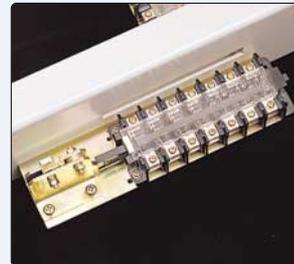
Code plate (Miss insertion prevention)

-for E, F class draw-out type only

To prevent the insert a VCB to a cradle, when the ratings of VCB and cradle are different.

Padlock

To prevent the insert draw-in/out handle to a screw hole by operating G class VCB temporarily



Optional accessories

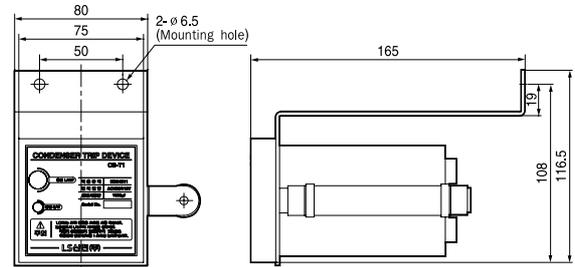
Capacitor trip device (CTD)

When the control power is off, the CTD supply the power for tripping a VCB.

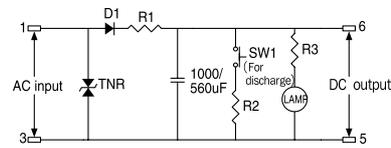


Ratings	Specification	
	CB-T1	CB-T2
Type	CB-T1	CB-T2
Rated input voltage	AC100/110V	AC200/220V
Frequency (Hz)	50/60	50/60
Charging volt(V)	140/155	280/310
Charging time	Within 10 Sec. after the AC power off	
Tripping time	Within 30 Sec. after the AC power off	
Allowable Input voltage range	85% ~ 100%	85% ~ 110%
Capacitor rating(μ F)	1000	560

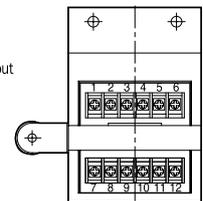
• Dimension



• Connection diagram



• CDT

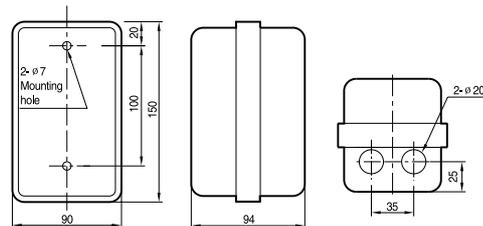


Rectifier

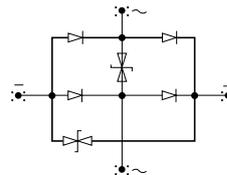
When the DC power is not available, rectify the AC power and get the DC power for closing coil.

Type	AC Input voltage	Output current	Rating time
VCB-X	1 ϕ 100/110V 1 ϕ 200/220V	40A DC	10 sec.

• Dimension



• Connection diagram



Standard tool



Handle for draw-in and out

Handle for draw-in and out the VCB
(Standard feature in the draw-out type)

Manual charging handle

Handle for charging the spring manually.
(Standard feature)

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