

# CCI

## CURRENT SHORT-CIRCUITER

Reference : 1SNA450030R0400





# CURRENT SHORT-CIRCUITER

## CCI



### Robust

#### Long life durability :

- Comply with the international standards
- Designed according to electrical substations standards
- A foolproof mechanical and electrical robustness
- Applications in electrical substations, power plant (hydraulic, nuclear...)

### Advantages

#### Safe :

- Circuit separation, short-circuit and connection to earth
- Protective cover, locking and sealing devices
- Switch with visible knives
- Snap action mechanism
- 2 auxiliary contacts to indicate the position

## APPLICATION

### > Circuit separation, short-circuit and connection to earth

- This device serves to ensure the safety of persons working on “current” circuits (secondary sides of current transformers) of measuring and protection equipment in high voltage installations.
- These circuits can be subject to induced currents. The equipment creates a short-circuit and connection to earth. This operation for making maintenance operators safe is mandatory. The CCI enables its operation to be carried out simply and safely.
- The circuit separation, short-circuit and connection to earth operations are all done by the same device.
- Two potential free auxiliary contacts enable the device to be inserted in the control circuit and to indicate the status of the appliance to the supervision.

## Technical characteristics

### Connection capacity (Cu)

Current circuit

Wiring with insulated lugs on M5 studs  
Maximum cable section : 16mm<sup>2</sup>

Auxiliary contact

Fast-On Clip 6,35

### Electrical characteristics

Thermal current

150A for 3 s

50 times at 1h intervals

Dielectric strength

4,2 kV @ 50Hz-1min

2 kV @ 50Hz-1min

Circuit/Earth

Surge voltage

5 kV 1,2/50

Operating device/Circuit

Pollution degree

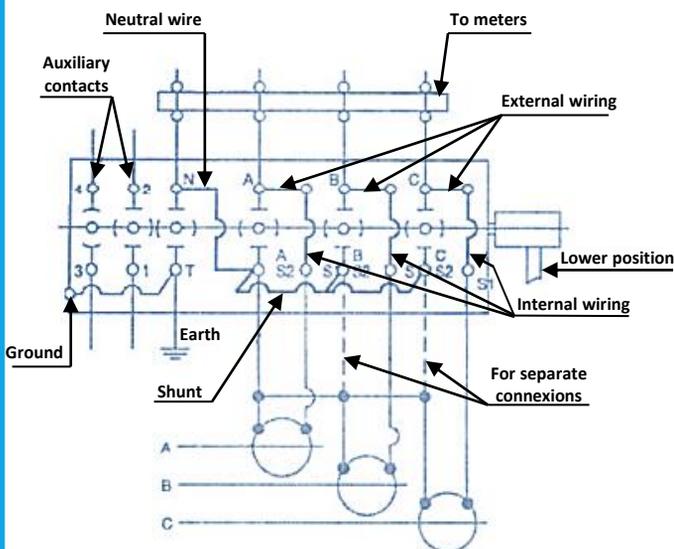
Type 3

Protection degree

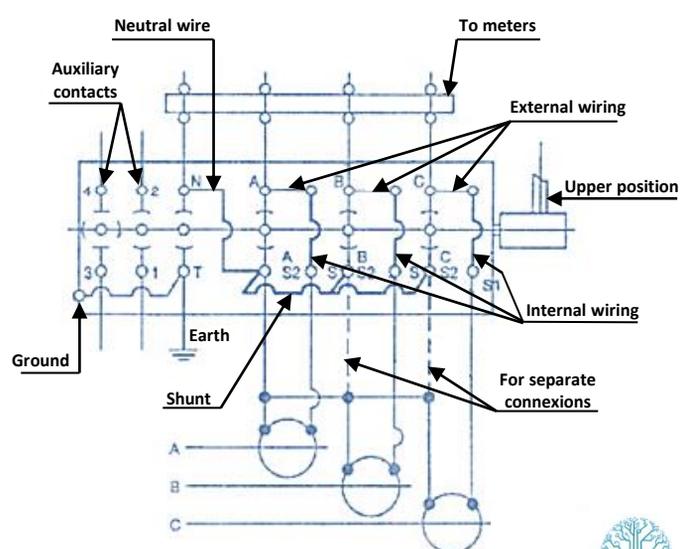
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### Schematic

**Lower position  
« open »  
NOT IN SHORT-CIRCUIT**



**Upper position  
« closed »  
IN SHORT-CIRCUIT**

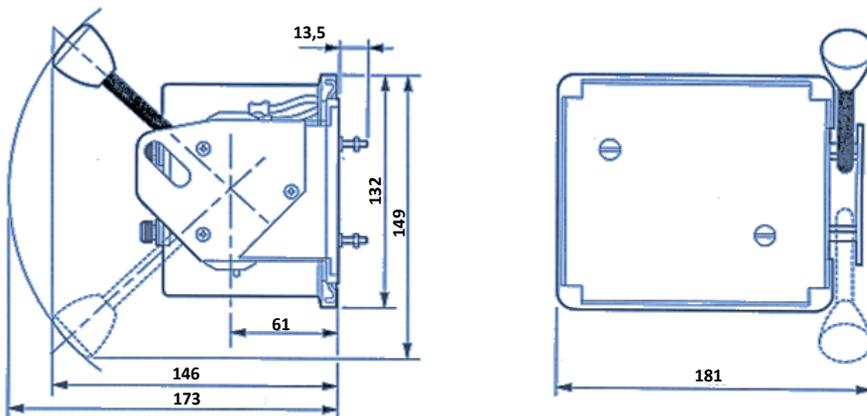


## Technical characteristics

### Mechanical characteristics

Mechanical endurance	10 000 cycles	Usage class OC
Mounting position	Any	
Mounting at the bottom of the cabinet	Conductor outlet at the rear	
Rear mounting on steel base plate - 127 mm x 153 mm	4 M4 studs 100 mm x 56 mm between centres	
Tightening torque	0,5-0,8 N.m	
Weight	2kg	
Safety	Lockable in short circuit position by padlock Appliance that can be sealed in both positions	
Working temperature	-25°C to + 40°C	
Storage temperature	-40°C to + 70°C	

### Dimensions



### Drilling

