CCI
CURRENT SHORT-CIRCUITER
Reference : 1SNA450030R0400

CONTROL AND SIGNALING SOLUTIONS FOR HARSH ENVIRONMENTS
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.

* The specifications and drawings given are subject to change and are not binding unless confirmed by our specialists.
Technical characteristics

Connection capacity (Cu)

Current circuit
- Wiring with insulated lugs on M5 studs
  - Maximum cable section: 16mm²

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

Surge voltage
- 5 kV 1,2/50
- Circuit/Earth
- Operating device/Circuit

Pollution degree
- Type 3

Protection degree
- IP 40

Schematic

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

Upper position
- « closed »
- IN SHORT-CIRCUIT

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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**: 2 kg
- **Safety**: Lockable in short circuit position by padlock
- **Appliance that can be sealed in both positions**: Yes
- **Working temperature**: -25°C to + 40°C
- **Storage temperature**: -40°C to + 70°C

Dimensions

Drilling

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