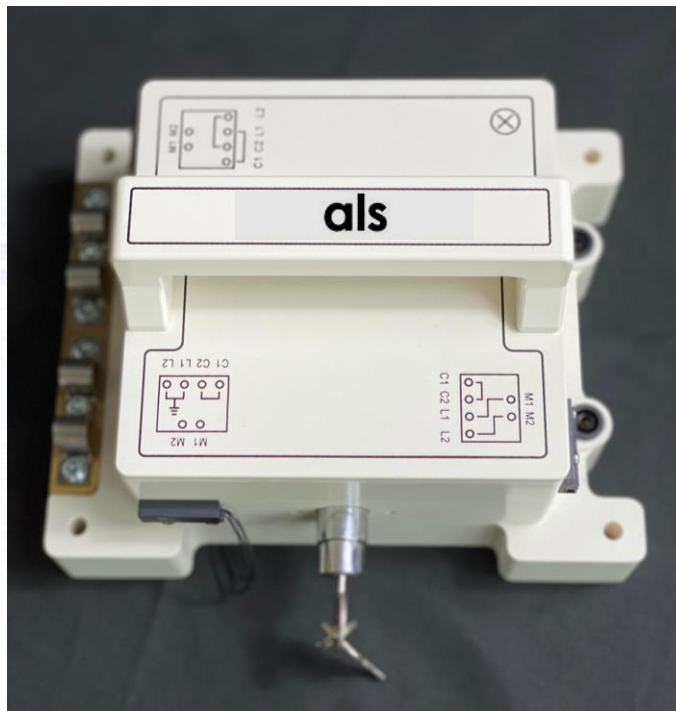


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AIRFIELD LIGHTING
SYSTEMS UK LTD

LED Airfield Ground Lighting Solutions



Series Circuit **CUT-OUT SWITCH**

SCC-2100E

**Designed by
Experience**

Enables the airfield ground lighting field series circuit to be safely disconnected, isolated and earthed by the simple rotation of the connector lid without exposing the user to high voltages.

COMPLIANCE

- IEC 61822:2009
- ICAO Doc 9157 Aerodrome Design Manual Part 5
- AENA DIN/DSEYN/PPT/002-05-13

FEATURES

- Series cable clamps facilitate screened cable to be earthed easily if required
- A safety lock facility is available when in the 'Field Earthed' position
- Allowing easy and safe access for testing of field circuits
- Installed on the CCR or in the High Voltage Switchover Cabinet
- Circuit breakers designed to be reinstalled to cable terminals
- Compliance with standards

TECHNICAL DATA

ELECTRICAL

Voltage Rating	5 kV AC
Current Rating	12 A
Dielectric Strength	Meets IEC 61822
Maximum Cable Cross Section	10 mm ²
Maximum Cable Insulation Diameter	12 mm
Megger Test Voltage	10 kV DC

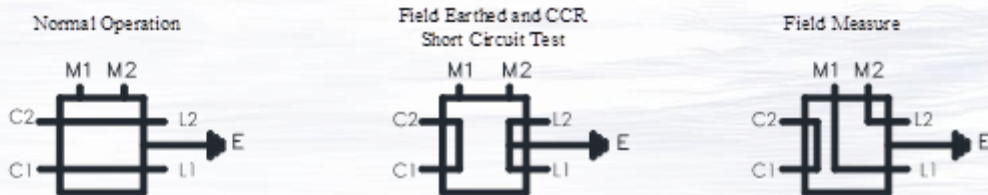
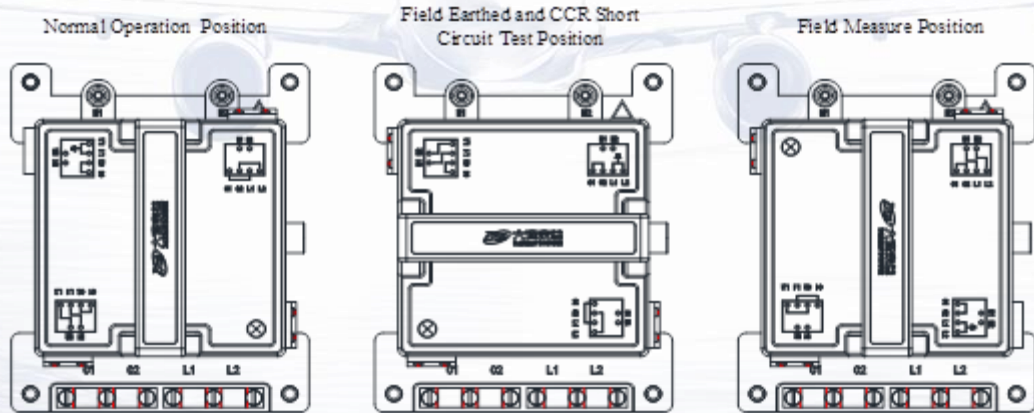
ENVIROMENTAL

Operating Temperature	-30°C~+55°C
Storage Temperature	-30°C~+85°C

DIMENSIONS and WEIGHT

Dimensions	220 mm X 178 mm X 134 mm
Weight	3.18 kg

FUNCTIONAL DESCRIPTION



The Series circuit CUT-OUT has three operating positions:

- In the **'Normal Operation'** position, the output of the CCR is connected directly to the series circuit.
- In the **'Field Earthed and CCR Short Circuit Test'** position, the output of the CCR is shorted together, isolated from the AGL field circuit, and the field circuit is shorted and connected to earth. This enables commissioning of control system and CCR's without applying power to the series circuit.
- In the **'Field Measure'** position, the output of the CCR is shorted together. Access for instrument connection to both of the load side terminals is provided via 4mm test sockets M1 and M2. This allows for Megger testing and continuity testing of the field circuit.

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