

Brief Product Description

BG DC Isolators provide safe and reliable isolation for photovoltaic (PV) systems and other DC switching applications. Designed for use during installation, maintenance and emergency isolation procedures, the range offers robust IP66 weatherproof protection and compliance with EN IEC 60947-3, including DC-21B and PV2 utilisation categories. The range comprises two product variants covering applications from 16A to 32A, helping to reduce stockholding whilst maintaining application flexibility.

Features

- Compliant with EN IEC 60947-3, including DC-21B and PV2 utilisation categories
- Suitable for photovoltaic (PV), inverter and solar pump applications
- IP66 weatherproof enclosure suitable for indoor and outdoor installations
- Flame-retardant construction
- Convertible 4-pole design with included jumper links
- Removable switch body for easier installation
- Front cover can only be removed when the switch is in the OFF position
- Base fixing points for secure mounting
- Two earth terminals included
- Captive retained front cover screws
- Padlockable handle for secure isolation procedures

DC Isolator Part Codes

Cat No.	Description
CPDC425	DC 16/25A 4 Pole IP66 Rotary Isolator - Light Grey
CPDC432	DC 32A 4 Pole IP66 Rotary Isolator - Light Grey

Product Images

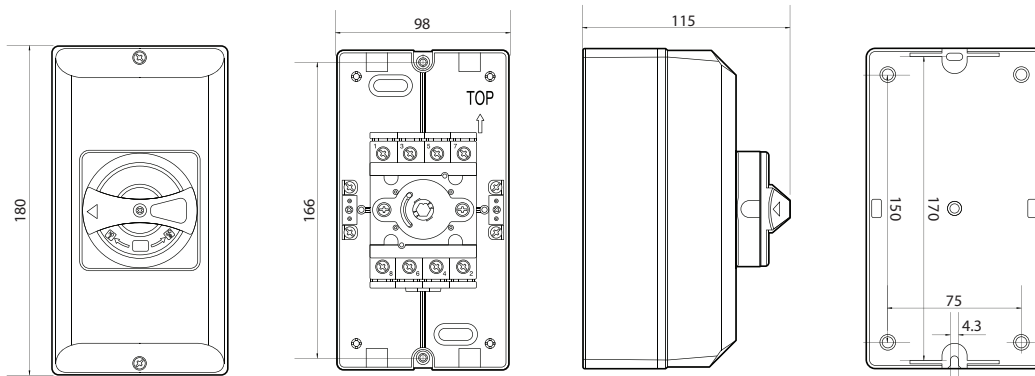


Technical Specifications

Enclosure Material	Plastic
Colour	Light Grey (RAL 7047)
UV Stability	Yes
Number of Poles	4 Pole (2 Pole with Jumper Links)
Number of Jumper Links (Included)	4
Fire Rating	V0 Internal, V2 Enclosure Body
IK Rating (Impact Resistance)	IK07
IP Rating	IP66
Temperature Range	-25°C to +85°C
Suitable for Isolation	Yes
Padlockable Handle	3rd Point Locking
Screw Torque	1.4Nm
Recommended Screwdriver Type	Pozidriv 2
Cable Access (Top & Bottom)	4 x M25 Knockouts
Cable Size	2.5mm ² - 10mm ²
Rated Impulse Withstand Voltage (Uimp)	8kV
Mechanical Operations	20,000
Electrical Operations (On Load)	500
Type of Supply Voltage	DC
Rated Operational Voltage (Ue)	600VDC - 1500VDC
Rated Maximum Current (Ie)	25A & 32A
Type of Cable Connection	Rising Clamp
Switching Type	Rotary Handle
Warranty	10 Year
Standards & Compliance	EN IEC 60947-3 (DC-21B and PV2 Utilisation Categories)



Dimensional Line Drawing



Dimensions of Product

Height: 180 mm

Width: 98 mm

Depth: 115 mm (Overall)

Guarantee

BG Electrical Circuit Protection products are guaranteed against faulty materials and workmanship for a period of 10 years from date of delivery.

Products will be repaired or (at BG Electrical's discretion) replacements will be supplied or (at BG Electrical's discretion) a credit note will be issued. This guarantee is subject to BG Electrical's conditions of sale and in particular to the following conditions being met.

1. Notification of any defect is given as soon as reasonably practicable after becoming apparent, and the products then returned to BG Electrical.
2. The products have only been operated under normal operating conditions and have only been subject to normal use.
3. No work (other than normal and proper maintenance) has been carried out to the products without BG Electrical's prior written consent.
4. The products have been assembled, or incorporated into other goods, by a qualified and recognised electrician and only in accordance with any instructions issued by BG Electrical.
5. The defect has not arisen from an item manufactured or supplied by a person other than BG Electrical.

This guarantee does not affect any customer statutory rights.

All components used in a BG Electrical enclosure, must be supplied by BG Electrical.

The use of any other components will negate compliance to BS 61439 and the BG Electrical guarantee. Failure to fit the enclosure in accordance with these instructions will invalidate the guarantee.

