



Wiring Accessories

DC ROTARY ISOLATOR

Safety Warning

This unit must be installed by a qualified registered electrician in accordance with the current IET wiring regulations B7671. Before commencing any electrical work ensure the electrical supply is isolated and locked off.

- Please ensure all components, (cable, protective devices, and Earth bonding etc) are checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery directive and current health and safety legislation must also be adhered to.
- User/Installation instruction leaflet MUST be made available to the responsible user for this product.
- Ensure ALL screws and connections are fully tightened before use using an appropriate torque Screwdriver this includes pre-fitted factory-made connections which may have loosened during the transport or during installation.
- All connections should also be inspected periodically to ensure correct tightness.
- DO NOT USE POWERTOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS

If in doubt consult a competent electrician.

Specifications

- There are fixing points in the base to mount it to the wall securely.
- The front cover can only be removed when switched in the OFF position.
- Padlockable off handle position.
- DC Insulated 2 pole and 4 pole.
- Suitable for photovoltaic- isolators, inverter applications, DC solar and solar pumps.
- Weatherproof to IP66.
- Enclosure constructed from flame-retardant material.
- Easy cable access via 4 x M25 knockouts, top and bottom.
- Switch interlocked with lid to prevent opening in ON position.
- Earth terminals included.
- Captive retained cover screws.
- Manufactured and tested to BS EN 60947-3.

Installation Instructions

- Remove the front cover by unscrewing the retaining screws using a Philips head screwdriver. Note - screws are captive and will not fall out.
- Use flat blade screwdriver to pull Din rail locking clip to allow removal of the switch body from the Din-rail.
- Drill the cable access point to the required size 12mm to 25mm.
- Fix the enclosure base to the wall by drilling out the 4 fixings on the rear of the enclosure.
- To maintain the IP rating, please use a cable gland of IP66 or higher.
- When wiring the switch, refer to the wiring and switching diagram in figure 1. Cut and dress cable to fit the appropriate terminals.
- Connection links are supplied loose, if required fit according to figure 1.
- Do not exceed the maximum cable sizes.
- Ensure all connection are secure and terminal screws fully tightened includes any factory connection, please refer to table below for suitable torque setting required.
- Re-fix the front cover to the base, securing both cover screws.

Screw Torque and Maximum Cable Sizes

Rated Current(A)	16	25	32
No.of Poles	2/4		
Screw Torque(Nm)	1.4 Nm		
Maximum Cable Sizes(mm ²)	2.5 – 10 mm ²		

General product information:

Ui: 1500V
Uimp: 8kV
Utilization category: DC-PV2/DC-21B
Ue and Ie see the table below:

32A Rating:

Rated operational voltage Ue[V]	600V DC	1200V DC	1500V DC	
Rated operational current Ie(A)	Connect code:A2	32A	13A	5A
	Connect code:A2+2	55A	13A	6A
	Connect code:A4	32A	13A	5A
	Connect code:A4B	32A	32A	23A
	Connect code:A40	32A	32A	23A
	Connect code:A4U	32A	32A	23A

25A Rating:

Rated operational voltage Ue[V]	600V DC	1200V DC	1500V DC	
Rated operational current Ie(A)	Connect code:A2	25A	11A	4A
	Connect code:A2+2	36A	12A	5A
	Connect code:A4	25A	11A	4A
	Connect code:A4B	25A	25A	20A
	Connect code:A40	25A	25A	20A
	Connect code:A4U	25A	25A	20A

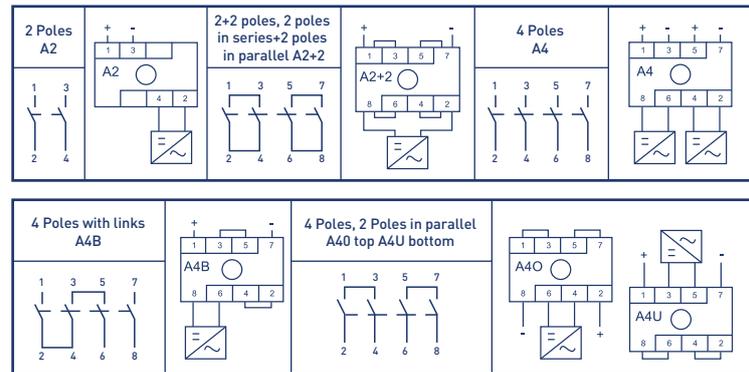
16A Rating:

Rated operational voltage Ue[V]	600V DC	1200V DC	1500V DC	
Rated operational current Ie(A)	Connect code:A2	16A	9A	3A
	Connect code:A2+2	29A	9A	3A
	Connect code:A4	16A	9A	3A
	Connect code:A4B	16A	16A	16A
	Connect code:A40	16A	16A	16A
	Connect code:A4U	16A	16A	16A

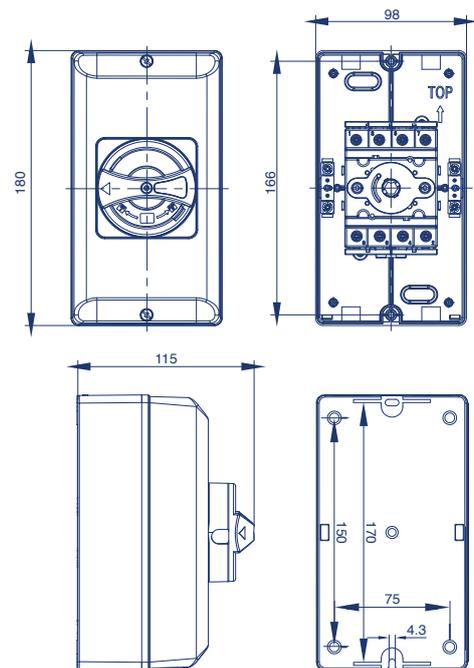
Wiring Instructions

Before use please read and carefully use in accordance with these safety wiring instructions. To ensure a satisfactory operation these products should be installed by a competent person. **If in doubt seek advice from a qualified engineer.**

Wiring and connection table figure 1:



DC Isolator Dimensions



Batch Code explanation

yyWxx: Manufacturing date code; year of manufacturing (yy) and week of manufacturing (Wxx)

Address/Helpline

Luccec PLC
Stafford Park 1
Telford TF3 3BD
ENGLAND

(EU) Luccec SE
C/ Bobinadora 1-5
08302 Mataró
SPAIN

If you have further technical assistance you can get in touch with our

Technical Helpline on:
+44 (0)3300 249 279
technical.support@bgelectrical.co.uk

Environmental Protection



This symbol is known as the "Crossed-out Wheelie Bin Symbol". When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/ electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/ battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.