



Fortress Circuit Protection

Switch Fuse



Safety Warning

For your safety, this product must be installed in accordance with local Building Regulations. **This product MUST be installed by a competent person who is registered with an electrical self-certification scheme.** Further information is available online or from your Local Authority. Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure the supply is disconnected, and securely locked off. Wiring should be in accordance with the latest edition of the IET regulations (BS 7671).

Ensure all screws are fully tightened before use. (Please refer to torque settings table)

Installation Guide

1. Remove front cover by opening the visor, and undo retaining screws. Note - screws are captive and will not fall out.
2. Provide cable access via either 20mm or 32mm knockouts on the top and bottom faces, 32mm knockouts on the side faces or a large knockout in the base. Only remove the minimum number required. Ensure IP rating is maintained e.g. use of glands.
3. Secure to wall. Use one key hole slot to hang in position, ensure fitted level, use other fixing holes to firmly secure.
4. Ensure all connections are secure and terminal screws fully tightened. Recommended max torque for terminal screws, Switch is 3.5Nm, Fuse Holder is 2.5Nm. (Please refer to torque settings table)
5. Test in accordance with the current IET wiring regulations.
6. Refit cover, and secure using screws.

General

Tools – Screwdriver PZ 2 or Flat screwdriver, knife and pliers.

Cleaning – use a soft damp cloth with luke warm water (only clean outside of unit).

Standards – All consumer units have been designed to comply with the requirements of BS EN 62208, BS EN 61439-3, BS 7671 and Part P document.

Guarantee

BG Electrical 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 to BG Electrical 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 consumer 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 EN 61439 and the BG Electrical Guarantee. Failure to fit the enclosure in accordance with these instructions will invalidate the guarantee.

Batch Code Explanation

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

Address/Hotline

Luceco PLC
Stafford Park 1
Telford TF3 3BD
ENGLAND

(EU) Luceco 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 Wheeled 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.

Torque Settings

Torque Settings	 PZNo.	 (mm)	Cable >1.5mm ² Tightening torque (Nm)	Cable ≤1.5mm ² Tightening torque (Nm)	Cable stripping (mm)
Consumer Unit Terminals					
Earth and Neutral Terminal Bars	M5	6.5	2	1.3	11
Isolation					
Switch Disconnecter	M7	9	3.5	2.3	14
Circuit Protection					
Fuse Holder	M6	9.2	2.5	1.3	19

Interface characteristics

Rated & operational voltage (Un / Ue)	230V a.c. 50Hz
Rated insulation voltage (Ui)	320V a.c. 50Hz
Rated impulse withstand voltage (Uimp)	4kV
Rated current of the Assembly (InA) Note: Dependent upon rating of main incoming device	100A, 80A, 63A
Rated current of an Outgoing circuit (Inc)	100A, 80A 63A fuse
Rated conditional short-circuit current of the ASSEMBLY (Icc)	10kA fused conditional. 17kA pk
Protection against electric shock	Consumer unit shall be installed in an electrical system conforming to the current edition of IEC 60364 / BS 7671
Rated diversity factor (RDF) / Values of assumed loading	1way = 1.0
Rated frequency (fn)	50 Hz
Pollution degree	2
Types of system earthing for which the ASSEMBLY is designed	TNC-S, TN-S & TT systems, when installed in an electrical installation complying with BS 7671
Indoor use only	
Stationary Assembly	
Degree of protection	IP2XC
Intended use	Intended for use in domestic/commercial premises
Electromagnetic compatibility [EMC] classification	EMC Environment B
External design	Wall-mounted, surface type, enclosed assembly.
Mechanical impact protection	IK 05
The type of construction	Fixed parts
Type A DBO (Distribution board for use by ordinary persons)	