



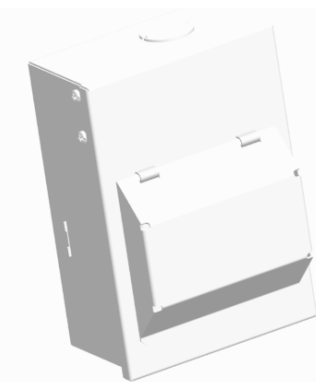
IMPORTANT INFORMATION

This unit should be installed by a qualified competent person in accordance with all relevant legislation and regulations including building regulations and wiring regulations BS7671. If in doubt contact a qualified competent person.

- Turn off all power supplying this equipment before working on or inside the equipment.
- Always use a properly rated volt-sensing device to confirm the power is off.
- Replace all devices, doors and covers before turning on the power to this equipment.
- To avoid ingress of swarf and similar material, always remove gland plates to allow cutting/slotting for cable entries.

Failure to follow these instructions could result in serious injury or death.

DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS



To complete this installation you will need: -

- MCBs
- A blanking plate may be required if all outgoing ways are not used.

NOTE: - Only Crabtree Loadstar 6MS range MCBs must be used within the 2way Crabtree Loadstar range of units.

The total current supplied by the unit must not exceed the rating of the incoming main switch or RCD (63A max.).

The total sum of the individual MCB ratings may exceed this value where there is appropriate diversity on the installation

This product is suitable for indoor use only and is rated at IP2XC.

The consumer unit and associated components have been type tested to the following specifications: -

Consumer unit	BSEN61439-3
MCBs	BSEN60898-1
Main switch	BSEN60947-3
RCCB	BSEN61008-1

Ambient Temperature Considerations

The MCBs are calibrated to meet the requirements of BSEN60898-1 30°C Ref Calibration Temperatures. At other temperatures the following rating factors should be used.

At 60°C use 0.9	At 20°C use 1.0	At 0°C use 1.1
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Adjacent thermal magnetic MCBs should not be loaded continuously at or near their nominal rated currents when mounted in the enclosure. We recommend an 80% diversity factor be applied to the MCB nominal rated current where it is intended to load the MCBs continuously (in excess of 1 hour).

Terminal Capacities

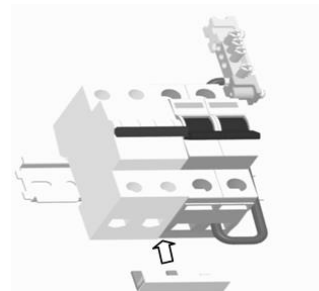
Device	Max. Cable Capacity	Recommended tightening torque
Main Switch / RCD	50mm ²	2.3Nm
MCB	25mm ²	2.3Nm
Miniature RCBO	Outgoing connection - 16mm ²	2.0Nm
Earth & neutral terminals	16mm ²	1.7Nm

Use No.2 Pozidrive bit.

1. Enclosure Mounting

Fix unit to wall using screws. Knockouts are provided for cable entry.

2. Fit required MCB's and Assemble Busbar



3. Route All Incoming & Outgoing Cables

Knockouts are provided at the top and bottom of the enclosure for cable entry.

4. Control Devices

Timers and contactors can be fitted. The incoming supply for the device must be fed from a suitable MCB and no attempt should be made to connect the device to the busbar.

5. Check the tightness of all screw connections, including factory made connections.

6. Fit Cover

Fit cover using screws provided. Blanking plates should be fitted into unused ways.





7. Circuit Identification

The consumer unit way label is supplied with the consumer unit. This should be fitted below the circuit devices on the front cover. Pre-printed labels are provided to identify the outgoing circuits.

8. Testing Of The Installation

After completion it is essential that the installation be tested in accordance with the IET Wiring Regulations (BS7671).

It is important that the following are included in the above: -

- Operation of the test button on any RCD fitted.
- Verification that the earth loop impedance requirements are satisfied.

9. Consumer Unit Accessories

CABLE ENTRY PATRESSES used with all metal consumer units allowing compliance with BS7671 416.2.2. IP4X can be maintained on the consumer unit's horizontal top surface by providing cable entry via rear knock outs.

Patress cable entry slots can be provided top or bottom OR left or right.

Top / Bottom	Width	Left / Right	Width
MNSPE658 4/1NR	7 module	MNSPE6670/1NR	7 module
MNSPE658 4/2NR	10 module	MNSPE6670/2NR	10 module
MNSPE658 4/3NR	13 module	MNSPE6670/3NR	13 module
MNSPE658 4/4NR	16 module	MNSPE6670/4NR	16 module
MNSPE658 4/5NR	21 module	MNSPE6670/5NR	21 module

Fire retardant CABLE MEMBRANE ENTRIES protect cables from damage and support compliance with the IP4X requirement BS7671 416.2.2.

CRCE1	Kit 1 3X 32mm & 7X 20mm
CRCE2	Kit 2 10X 20mm

In line with published IET formal recommendation MAINS TAILS GLANDS will protect mains tails at their point of entry into all metal consumer units. Furthermore disturbance of mains tails within the consumer unit, up to their point of connection to the isolator, is restricted.

MTCG32	Tails Gland Kit 32mm
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INTUMESCENT STRIPS will dramatically subdue or fully extinguish any fire which may occur within a consumer unit. The addition of an intumescent strip within a correctly installed all metal consumer unit will support the requirement of BS7671 421.1.201 effectively containing and suppressing a fire at source.

CR0706FS	7 module
CR1009FS	10 module
CR1312FS	13 module
CR1615FS	16 module
CR2120FS	21 module

