

WOSB Series Indoor Surface Mount Switchboard Instructions

Specifications

- The WOSB12, WOSB18 and WOSB24 are designed for indoor surface mounting use only and intended for use to accommodate circuit protection devices such as circuit breakers; RCDs, isolating switches, surge/over-voltage protection and other such products.
- They are intended for use in domestic or commercial applications.
- They MUST be installed by a skilled licenced electrician and follow AS/NZS3000 wiring rules.
- They comply and have been tested in accordance with AS/NZS61439.3
- IP 40 from the front surfaces when mounted to AS 60529.
- Class 2 assembly.
- 100A rated assembly and contains Neutral and Earth bars with double rows of screws.
- Parts pack includes 80A rated bus bar, sticker labelling pack in red and green for non-RCD protected and RCD protected circuit identification, pole fillers (full and half Din module sizes)

Interface Characteristics

Voltage ratings:

- Rated voltage (Un): 415V
- Rated operational voltage (Ue): 415V
- Rated insulation voltage (Ui) :1000V
- Rated impulse withstand voltage of assembly (Uimp):4000V
- Complies with minimum overvoltage category III according IEC 60364-4-44

Current ratings:

- Rated current of the ASSEMBLY (InA) : 100A
- Rated peak withstand current (Ipk):17kA
- Rated conditional short-circuit current of an ASSEMBLY (Icc):10kA

Rated diversity factor (RDF) 1-0.9

Rated frequency (fn) 50Hz

Pollution degree: 2

Indoor installation only

Fixed stationary installation.

Installation to be carried out by a skilled licensed electrician

Mechanical impact protection:IK05

For protection against electric shock requires screws to be removed to access live parts.

Type B distribution board

The rating of loose busbars. 80A end fed or 100A centre feed.

Neutral link rating : 100A



HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- This product must only be installed and serviced by appropriately qualified and/or licensed electrical personnel.
- Isolate the electrical supply before doing any work and this equipment.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

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

10 Year Manufacturer's Warranty

This product has been manufactured to the highest quality standards. This product is warranted to the original purchaser and is not transferable.

GSM Electrical (Australia) Pty Ltd's liability under this warranty is limited to the replacement and/or repair of the defective parts within the warranty period and does not extend to installation or removal of the product. Acceptance of liability by GSM Electrical (Australia) Pty Ltd contained herein is to the exclusion of any other remedy whatsoever and howsoever arising in respect of any equipment to which it applies.

Overall dimensions:

12 module: 155mm x 200mm x 100mm,

18 module: 360mm x 220mm x 100mm,

24 module: 330mm x 270mm x 100mm

Weight:

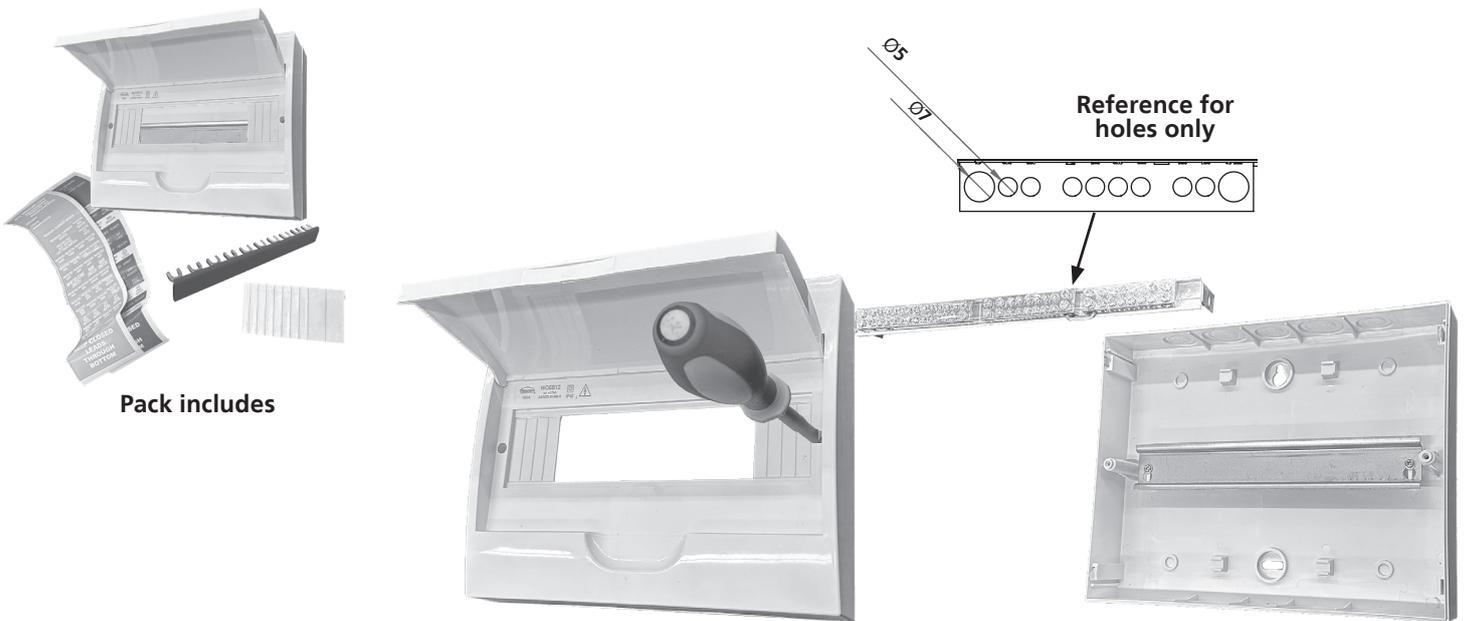
12 module: 0.912kg,

18 module: 1.319kg,

24 module: 1.669kg

Installation Instructions:

- Remove the cover by unscrewing the cover screws under the door/flap.
- Remove parts pack with bus bar, red and green sticker packs, and pole fillers for later use in final assembly. Take care to retain screws in the cover for reassembly after wiring.
- When mounting, ensure rear fixing holes are positioned on a suitable mounting surface such as brick wall or stud and ensure care is taken when marking out and cutting entry holes for cables. Several break outs for cables are featured on the rear panel but it may be necessary to create larger holes and care must be taken not to damage other mounting features that may reduce the structural integrity of the enclosure or it's IP rating.
- Install conduit and wire in as required and install circuit protection equipment required. Din rail and Earth/Neutral bar support can be removed to make this easier for wiring but ensure it can easily be reassembled without jamming or there is not too much cable obstructing the correct reassembly.
- On completion of installation, reassemble the cover, flap, and screw assembly onto the box ensuring the equipment enclosed is all sitting correctly then fasten the cover screws down to complete the installation.
- The pole fillers contained in the kit can be used to fill any blank spaces in the cover aperture if the board has not been filled with circuit protection devices. It is critical that these are installed to maintain safety and the IP rating for the installation from live electrical parts.



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