

GENERAL

B1 and B2 boxes have been designed to receive **Marechal** socket-outlets or inlets.

Their IP66/IP67 rating is given according to IEC/EN 60529 standard.



Reminder : In all instances, the IP rating of an assembly will be that of its weakest component, inlet, outlet and cable entries included.

Made of thermoplastic material, these boxes can be used from -25 °C up to +60 °C.

The insulating voltage is 1 000 V. The shock resistance is IK08 according to IEC/EN 62262 standard.

INSTALLATION

Marechal products are always used in conjunction with other electrical products or installations. Users and contractors have, therefore, to ensure that these installations are made and used according to the applicable electrical installation standards.

Closing and assembling screws

Marechal products use different types of screws. Care must be taken to use the appropriate tools. During the first assembly, it is not unusual to have to apply a high torque to the self-tapping screws. The larger screws are used to assemble the angle adapter on the rear box. The smaller screws are used to assemble the socket-outlet or inlet on the angle adapter.

⚠ Do not over tighten the self-tapping screws supplied with polymeric accessories.

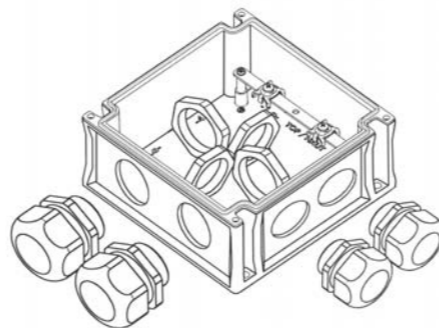
Fixing centres

Fixing centres are indicated on the sketch below.

It is recommended to open the cable entries before mounting the box onto a surface.

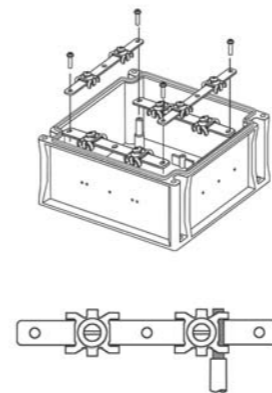
Cable entries and caps

Cable entries and caps must be assembled with a nut. To maintain watertightness, cable entries or blanking caps must be IP66/IP67. The nut must be tightened at the torque recommended by its manufacturer.



Wiring of the earth bar

The earth bar can be assembled in four different positions, depending on the location of the cable entries. Earth (grounding) conductors must be set at a right angle from the earth bar. The recommended torque for the tightening screws is 1.5 N.m.

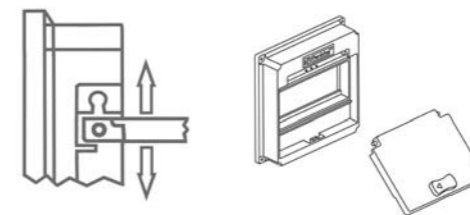


MAINTENANCE

Use a damp cloth with soap to clean. Do not use any solvent. The window can be easily replaced, as shown.

All products using the **Marechal** technology require little on-going maintenance. From time to time, the fastening screws should be checked for tightness.

⚠ Any repair or service on the boxes must be achieved with genuine **Marechal** parts only.



RESPONSIBILITY

A **Marechal** product must be used with a **Marechal** complementary accessory only.

The CE marking defined in the European Low Voltage Directive 2006/95/EC and affixed on **Marechal** products constitutes a warranty that **Marechal** products do not compromise the safety of persons and installations.

In the case **Marechal** products are associated to products or spare parts other than from **Marechal**, the CE marking is invalidated and MARECHAL ELECTRIC S.A.'s responsibility cannot be engaged.

MARECHAL ELECTRIC S.A.'s responsibility is strictly limited to the obligations expressly agreed in its general sales conditions.

Any penalty or indemnity provided herein will be considered as lump damages, redeeming from any other sanctions.

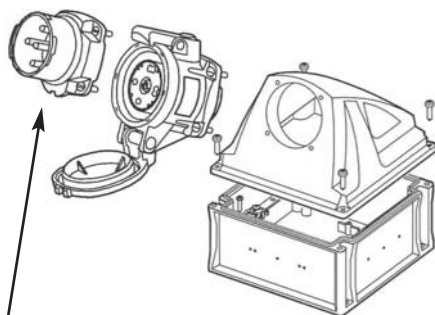
MARECHAL ELECTRIC S.A. is a member of the international association, BECMA: the Butt-contact Electrical Connectors Manufacturers' Association.



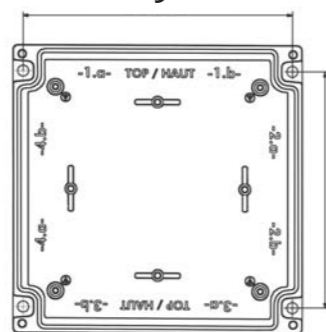
www.becma.ch

⚠ Products must be installed by qualified electricians.

Principle of assembly



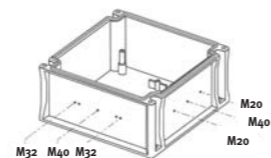
B1 = 116 mm
B2 = 158 mm



B1 = 96 mm
B2 = 139 mm

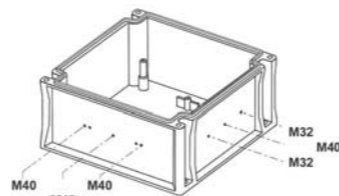
- The inclined sleeve accepts both socket-outlets and inlets,
- Socket-outlets must be assembled with the latch at the top,
- Appliance inlets must be assembled with the catch at the bottom.

B1 Box



Two of the sides can take up to either two M32 or one M40.
The other two sides can take up to either two M20 or one M40.

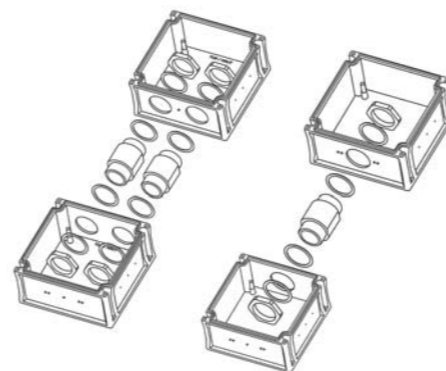
B2 Box



Two of the sides can take up to two M40.
The other two sides can take up to either two M32 or one M40.

Assembly of two boxes

Assemble the two boxes before mounting onto a surface. The assembly of two B2 boxes require two sleeves. The assembly of two B1 boxes or of a B2 with a B1 requires one sleeve only. The gaskets must be assembled against the outer walls of the box as shown below. There are two gaskets per sleeve. The IP rating is guaranteed if the drillings are performed with a stepped drill or a bell saw, under provision that the holes are not larger than 41 mm.



Switchgear

The switchgear, built in the boxes, may require periodic testing or a particular maintenance. Moreover, their performance may be hindered by prevailing environmental conditions. Please refer to the set-up, operation and maintenance instructions given in the manufacturer's catalogue.

INSTRUCTION SHEET



BOXES

B1 (127 X 127 mm)
B2 (170 X 170 mm)

MARECHAL
electric

MARECHAL ELECTRIC S.A.
5, avenue de Presles - F-94417 Saint-Maurice Cedex - France
Tel. : +33 (0)1 45 11 60 00 - Fax : +33 (0)1 45 11 60 60
e-mail : sales@marechal.com - www.marechal.com

A manufacturer of products using the **Marechal** technology.