



DM

Notice 15A - Rev. : 3



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A manufacturer of products bearing the Quality Label

GENERAL

All products conform to the international and European safety requirements, and in particular the "European Low Voltage Directive" 2006/95/CE.

INSTALLATION

The DM must be installed by a certified electrician.

Assembly

Optimum operating conditions are achieved by installing the DM with the cover hinge at the top. To prevent water ingress, socket-outlets that are not watertight (IPX7) must always face downwards.

Fixing screws

An appropriate tool must be used for each type of screws. Apply the necessary torque to tighten self-tapping screws for the first time. Do not over tighten screws supplied with polymeric accessories.

Wiring screws

Use a flat-blade screwdriver with a 3 x 0.7 mm. Apply a torque of 0.6 Nm.

Handles

Handles for plugs and connectors have a key that restricts their assembly to one way only. This unique way of assembly must be respected.

Wiring

Be sure power is off before starting.

- Respect conductor-coding and terminal markings,
- Select conductors with appropriate cross-section,
- Back out terminal screws far enough (but not completely) to allow a complete insertion of conductors.



DM wiring terminals are spring-assisted to prevent loosening due to strand settlement, vibration or thermal cycling.

Respect the recommended torque

e) Plug and connector:

Insert cable through handle and gasket, strip conductors to 9 mm and twist strands of each conductor together. Alternatively, place a wiring ferrule onto the conductor. Insert conductors fully into their respective terminals and tighten the wiring screws manually with the recommended torque and tool. After assembly, the cable sheath must extend into the handle. Assemble handle with screws and gasket, and tighten cable gland. Whilst clamping or anchoring, the portion of cable inside the handle must not be tight.

For a proper clamping the use of PVC cables is not recommended.

f) Socket-outlet and appliance inlet on box:

Insert cable through surface box glanding arrangement and gasket, and strip conductors to 9 mm. Insert conductors fully into their respective terminals and tighten the wiring screws manually with the recommended torque and tool. Assemble socket-outlet or inlet on adapter or box, using gaskets and screws supplied, and tighten cable gland. Ensure that the blanking cap supplied with the surface box for unused entry, if any, is properly tightened.

OPERATION

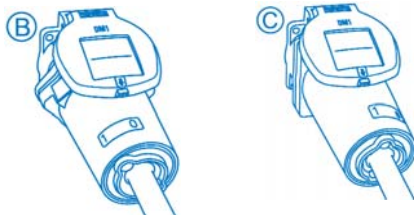
To ensure a safe and reliable operation, the DM must be used according to its designed destination, and in particular its assigned ratings, in terms of current, voltage and IP according to IEC/EN 60309-1.

DM plug and socket-outlet must have compatible ratings (pin configuration, voltage, rated current...) to be connected together.

When not in use, the socket-outlet is shielded by a protective lid preventing the entry of dust and moisture (A). The optional sprung-open lid is held in the closed position by a latch. To release the lid, depress the latch.



To connect the plug, insert the plug bayonets and the hollow parts of the socket-outlet (B). To close the circuit fully, turn the plug clockwise until it stops (C).



To open the socket, turn the plug anti-clockwise and remove. The cover must then be shut.

MAINTENANCE

From time to time, the fastening screws should be checked for tightness.

Care should be taken that the weight of the cable is taken by the glanding arrangement and not the terminals themselves.

Contact surfaces may be checked for cleanliness. Any deposit of dust can be rubbed off with a clean cloth or with a fine sand paper. Under no circumstances should the contact surfaces be filed as this will remove the silver-nickel tip and reduce the effectiveness of the contact. Sprays should not be used, as they tend to collect dirt. Depending on prevailing conditions, the pitting of plug and socket-outlet contacts should be regularly monitored.

IP gaskets between plug and socket-outlet bodies should be inspected periodically.

Check regularly the electrical continuity of the ground circuit.

Any repair or service must be achieved with genuine parts only.

RESPONSIBILITY

A plug or socket-outlet must only be used with a socket-outlet or plug.

MARECHAL ELECTRIC S.A.'s responsibility cannot be engaged in case products would be associated with socket-outlets, inlets or spare parts other than from .

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.

DECLARATION OF CONFORMITY

The DM is a product bearing the Quality Label. It has been designed, manufactured and controlled in a strict respect of the relevant international and European standards, laws, directives, and particularly of the "European Low Voltage Directive" 2006/95/CE. It bears the CE marking whenever applicable.

Note: The CE marking does not apply to spare parts and components supplied separately.

Whenever the DM is in the scope of the 2006/95/CE Directive:

We,

MARECHAL ELECTRIC S.A.,
5 avenue de Presles - 94417 - Saint Maurice cedex - France

Declare that the DM satisfies the measures set in the European Low Voltage Directive 2006/95/CE and in the application decrees of member states.

Saint Maurice
Sébastien VASSE
Quality Manager

For other types of DM please, consult us.



www.becma.ch

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