



PXN12C
DXN25C
DXN37C

N°21e - Rev. : 2



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

GENERAL

Marechal Explosion-proof multicontact plugs and socket-outlets comply with international and European safety rules and particularly with ATEX 94/9/CE Directive. **Marechal** multicontact products can be used in zones 1, 2 (Gas), and 21, 22 (Dust).

The connection and disconnection of **Marechal** multicontact products must be imperatively performed off-load. A mechanical locking device on socket-outlet latches, by means of either a padlock(s) or by a triangular screw prevents any accidental disconnection under load.

INSTALLATION

⚠ A PXN12C/DXN25C/DXN37C must be installed by an authorised electrician.

Assembly

Optimum operating conditions are achieved by installing the PXN12C socket-outlet with the latch at the top.

Wiring

⚠ Be sure power is off before starting.

Wiring will be made according to applicable national installation standards.

The maximum cross-section of the conductors is 2.5 mm² (solid or flexible). Conductors must be stripped by 8 mm.

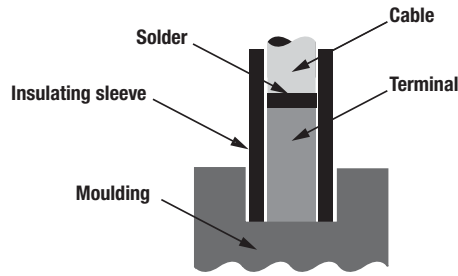
They must be soldered on the contacts.

Prior to soldering, an insulating sleeve (supplied) must be slipped over each conductor.

Use tin solder and a 50 W soldering iron. Insert the

conductor in the terminal and heat the terminal for about 30 s. During heating, insert the solder wire in the hole at the foot of the terminal and let the solder penetrate by capillarity. Let the terminal cool without any tension on the conductor.

Slip then the insulating sleeve over the whole visible part of the contact, down to the moulding.



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

All metal parts must be connected to Earth. An Earth connection is supplied with all metal accessories.

OPERATION

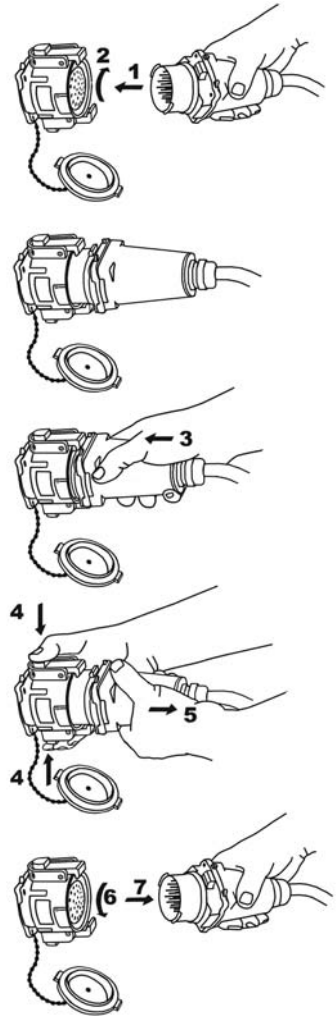
To ensure a safe and reliable operation, the PXN12C/DXN25C/DXN37C must be used according to its designed destination, and in particular its assigned ratings, in terms of current, voltage and IP. Respect its explosion-proof classification.

When not in use, the socket-outlet is shielded by a protective lid preventing the entry of dust and moisture.

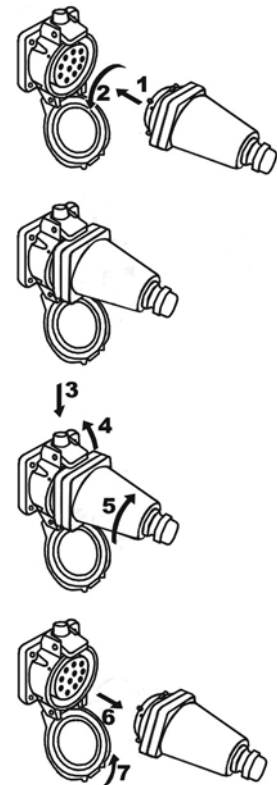
This is held in the closed position by one or two latch(es). To release the spring-loaded lid, depress the latch(es).

Plugs and socket-outlets must imperatively be locked after connection or disconnection.

DXN25C/DXN37C



PXN12C



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. Sprays should not be used, as they tend to collect dirt. Depending on prevailing conditions, the pitting of plug and socket contacts should be regularly monitored. In the event of serious damage, contact your supplier to have the contacts replaced.

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

⚠ Rules applying to products for use in explosive atmosphere impose that any replacement of components must be performed under the control of the manufacturer: MARECHAL ELECTRIC S.A.

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

RESPONSIBILITY

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

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

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

PXN12C/DXN25C/DXN37C use the **Marechal** technology. They have been designed, manufactured and controlled in a strict respect of the relevant international and European standards, laws and directives, and particularly of the European ATEX Directive. They bear the CE marking whenever applicable. They also bear the markings of their explosion-proof classification.

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



www.becma.ch

MARECHAL
electric

CE – Déclaration de Conformité EC – Declaration of Conformity

Nous / We

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Déclarons que nos produits / Declare that our products :

Prises de courant industrielles / Industrial plugs and socket-outlets

Type Type	Intensité Intensity	Tension max. Voltage max.	IP	Marquage Marking	Et sont conformes aux normes suivantes : And comply with the following standards:
PXN12C	10 A	220 V	IP65	II 2 G / D -40 °C ≤ Ta ≤ +55 °C T5 LCIE 07 ATEX 6070 X	tD A21 T69 °C
DXN25C	10 A	440 V	IP66/IP67	II 2 G / D -40 °C ≤ Ta ≤ +60 °C -40 °C ≤ Ta ≤ +40 °C T5 T6 LCIE 09 ATEX 3050 X	tD A21 T71 °C T51 °C EN 60079-0 EN 60079-7 EN 61241-0 EN 61241-1
DXN37C	10 A	220 V	IP66/IP67	II 2 G / D -40 °C ≤ Ta ≤ +55 °C -40 °C ≤ Ta ≤ +40 °C T5 T6 LCIE 07 ATEX 6071 X	tD A21 T76 °C T56 °C

Satisfont aux dispositions de la Directive du Conseil :
Satisfy the measures set in the Council Directive:

ATEX n° 94/9/CE du 23 mars 1994
ATEX N° 94/9/EC March 23rd 1994

Année d'apposition de marquage CE:
Affixing date of CE marking:

2007 (PXN12C – DXN37C) – 2009 (DXN25C)

N° de notification de l'évaluation relatif à la qualité : LCIE 00 ATEX Q 8001 selon l'annexe IV réalisé par l'organisme notifié n° 0081 : LCIE – 33, avenue du Général Leclerc – 92260 Fontenay-Aux-Roses – France

Quality Assessment Notification Number: LCIE 00 ATEX Q 8001 according to Annex IV carried out by Notified Body N° 0081: LCIE – 33, avenue du Général Leclerc – 92260 Fontenay-Aux-Roses – France

Saint-Maurice, 09 / 12 / 2009

Karine DAMMAN
Responsable ATEX / ATEX Manager