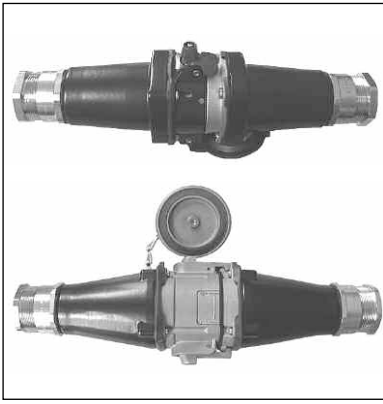


OPERATING INSTRUCTIONS



PXN12C
DXN25C
DXN37C

INSPXN12C/DXN25/37C 021611 A



Meltric Corporation
4640 Ironwood Drive
Franklin, WI 53132
(800)433-7642
www.meltric.com

GENERAL

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

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

INSTALLATION

! A PXN12C/DXN25C/DXN37C must be installed by an authorized electrician in accordance with all applicable local and national codes.

Assembly

Optimum operating conditions are achieved by installing the PXN12C receptacle with the latch at the top.

Wiring

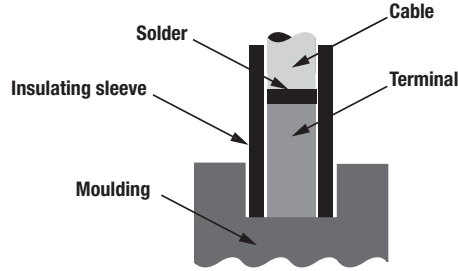
! Be sure power is off before starting.

The maximum cross-section of the conductors is 4934 CM (2.5 mm²) (solid or flexible). Conductors must be stripped by .315 in (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

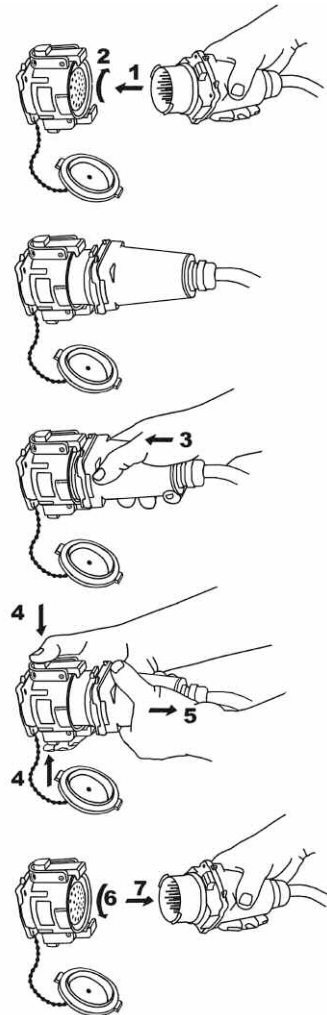
To ensure safe and reliable operation, Meltric plugs and receptacles must be used in accordance with their assigned ratings. They can only be used in conjunction with mating receptacles or plugs manufactured by Meltric or another licensed producer of products bearing the **Marechal**™ technology trademark. Respect its explosion-proof classification.

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

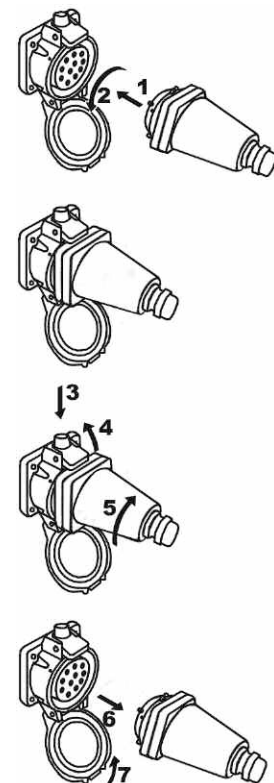
This is held in the closed position by one or two latch(es). To release the spring-loaded lid, depress the latch(es).

Plugs and receptacles 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 receptacle 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: Meltric Corporation.

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

MANUFACTURER'S RESPONSIBILITY

Meltric's responsibility is strictly limited to the repair or replacement of any product that does not conform to the warranty specified in the purchase contract. Meltric shall not be liable for any penalties or consequential damages associated with the loss of production, work, profit, or any other kind of financial loss incurred by the customer.

Meltric Corporation shall not be held liable when its products are used in conjunction with products not bearing the **Marechal**™ technology trademark. The use of Meltric products in conjunction with mating devices that are not marked with the **Marechal**™ technology trademark shall void all warranties on the product.

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.

Meltric Corporation is an ISO 9001 certified company. Its products are designed, manufactured and rated in accordance with applicable UL, CSA and IEC standards. Meltric is also a member of BECMA, the international Butt-contact Electrical Connectors Manufacturers' Association. Like all members, Meltric additionally designs and manufactures its products in accordance with BECMA standards established to ensure intermatability with similarly rated products manufactured by other members.

MARECHAL
electric

CE – Déclaration de Conformité EC – Declaration of Conformity

Nous / We

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.fr

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 LCIE 07 ATEX 6070 X	Ex e II T5 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 LCIE 09 ATEX 3050 X	Ex e II T5 T6 tD A21 T71 °C T51 °C
DXN37C	10 A	220 V	IP66/IP67	 II 2 G / D -40 °C ≤ Ta ≤ +55 °C -40 °C ≤ Ta ≤ +40 °C LCIE 07 ATEX 6071 X	Ex e II T5 T6 tD A21 T76 °C T56 °C

Satisfait aux dispositions de la Directive du Conseil : ATEX n° 94/9/CE du 23 mars 1994
Satisfy the measures set in the Council Directive: ATEX N° 94/9/EC March 23rd 1994

Année d'apposition de marquage CE: 2007 (PXN12C – DXN37C) – 2009 (DXN25C)
Affixing date of CE marking:

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

