

CUSTOMIZED SOLUTIONS



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marechal.com



Dimensions
and certificates



technor.com



MXBS P. 206

SOCKET-OUTLET COMBINATION BOXES

- II 2 G D Ex eb IIC, Ex tb IIIC
- Intrinsic safety capability
- IP66 Water-and dust-tight
- GRP casing, aluminium, stainless steel AISI 316 L
- Assembly of multi-contact connectors and socket-outlets on the same enclosure
- Custom configuration



MXBJ P. 208

JUNCTION BOXES

- II 2 G D Ex eb IIC, Ex tb IIIC
- Intrinsic safety capability
- IP66 Water-and dust-tight
- GRP casing, aluminium, stainless steel AISI 316 L
- Custom configuration



B2X P. 210

SOCKET OR JUNCTION BOXES

- II 2 G D Ex e IIC, Ex tb IIIC
- Intrinsic safety capability
- IP66/IP67 Water-and dust-tight
- GRP casing
- For Ex socket and/or EX terminals
- 120x120 mm or 160x160 mm
- On hinges



Technor® P. 212

A WIDE RANGE OF TECHNOLOGICALLY ADVANCED PRODUCTS

- Lighting
- Flameproof enclosure
- Junction boxes
- Control station
- Visual signal
- Cable glands & fittings


MXBS



SOCKET-OUTLET COMBINATION BOXES



680 A

- ▶  Ex eb IIC, Ex tb IIIC
- ▶ Intrinsic safety capability
- ▶ IP66 Water-and dust-tight
- ▶ GRP casing, aluminium, stainless steel AISI 316 L
- ▶ Assembly of multi-contact connectors and socket-outlets on the same enclosure
- ▶ From -55 °C to +60 °C



ASSOCIATED MARECHAL® PRODUCTS

DECONTACTOR™	DXA1, DXN1, DXN3 and DXN6
Connectors	PNCX and SPeX
Multicontact connectors	PXN12C, DXN25C and DXN37C

CLIMATIC FEATURES

Temperature range and ratings	From -55 °C to +60 °C
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MECHANICAL FEATURES

Degree of protection	IP66
Shock resistance	IK09 according to IEC and EN 62 262
Material	GRP casing, aluminium, stainless steel AISI 316 L. Casing made of High performance Poly for DXN1, DXN3 and DXN6 decontactors and PNCX, SPeX connectors. Casing made of Metal for DXA1 DECONTACTOR™ and PXN12C, DXN25C and DXN37C multicontact connectors. Stainless steel screw.

ATEX MARKINGS

ATEX zones	Gas and Dust : zones 1 & 2, 21 & 22
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ATEX markings	Ex II 2 G Ex eb IIC T* Gb increased safety Ex II 2 G Ex ia IIC T* Gb or Ex II 2 G Ex ib IIC T* Gb increased safety Ex II 2 G Ex eb ia or eb ib IIC T* Gb increased safety and intrinsic safety Ex II 2 D Ex tb IIIC T* Db in dust
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Standards compliance	IEC/EN 60079-0, 60079-7, 60079-11 and 60079-31
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Certificates	Certificates IECEX N° IECEX LCI 11.0042X and ATEX n° LCIE 11 ATEX 3047X
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* Depending on the ambient temperature, the internal components and socket mix.

ELECTRICAL FEATURES

Maximum voltage*	1000 V AC/DC
Maximum nominal current*	680 A
Flexible and stranded wiring (mini - maxi)*	0.22-400 mm²
Junction	Terminal blocks. Feed through and loop-in loop-out connection. M12 to M80 depending on the size of the box/Polyamide cable gland for unarmoured cable.
Cable entries and glands	Nickel plated brass cable gland for unarmoured cable and armoured cable (with plate or washer bonding inside the box).

* Depending on the socket-outlet.



ACCESSORIES ON REQUEST

- Inclined sleeve
- Earth stud
- Earth bar
- Hinges
- Mounting brackets
- Purge or breather
- Earthing plate
- Metal gland with or without earth ring


MXBJ



JUNCTION BOXES



400 A

- ▶  II 2 G D Ex eb IIC and Ex tb IIIC
- ▶ Intrinsic safety capability
- ▶ IP66 Water-and dust-tight
- ▶ GRP casing, aluminium, stainless steel AISI 316 L
- ▶ From -55 °C to +60 °C
- ▶ Shock resistance IK09



ELECTRICAL FEATURES

Maximum voltage*	750 V
Maximum nominal current*	400 A
Flexible and stranded wiring (mini - maxi)*	0,2-300 mm ²
Cable entries	M12 to M80

* Depending on the type of terminal connection.

CLIMATIC FEATURES

Temperature range and ratings	From -55 °C to +60 °C
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MECHANICAL FEATURES

Degree of protection	IP66
Shock resistance	IK09 according to IEC and EN 62 262
Material	GRP casing, aluminium, stainless steel AISI 316 L. Stainless steel screws.

ATEX MARKINGS

ATEX zones	Gas and Dust : zones 1 & 2, 21 & 22
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ATEX markings	II 2 G Ex eb IIC T* Gb increased safety
	II 2 G Ex ia IIC T* Gb or
	II 2 G Ex ib IIC T* Gb intrinsic safety
	II 2 G Ex eb ib or ia IIC T* Gb increased safety and intrinsic safety
	II 2 D Ex tb IIIC T* Db in dust

Standards compliance	IEC/EN 60079-0, 60079-7, 60079-11 et 60079-31
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Certificates	Certificates IECEx N° IECEx LCI 11.0026X and ATEX N° LCIE 11 ATEX 3028X
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* Depending on the ambient temperature, the internal components and socket mix.



ACCESSORIES ON REQUEST

- Earth stud
- Earth bar
- Shield bar
- Junction bar
- Hinges
- Mounting
- Purge or breather
- Earthing plate
- Metal gland with or without earth ring

B2x



SOCKET OR JUNCTION BOXES



63 A

- ▶ II 2 G D Ex e IIC, Ex tb IIIC
- ▶ Intrinsic safety capability
- ▶ IP66/IP67 Water-and dust-tight
- ▶ GRP casing
- ▶ With Ex e certified Terminal
- ▶ Dimension 120x120x90 mm or 160x160x90 mm



ELECTRICAL FEATURES

Maximum voltage	750 V DC/AC
Maximum nominal current	63 A
Flexible and stranded wiring (mini - maxi)	0.22 – 35 mm ²
Cable entries	M12 to M40

CLIMATIC FEATURES

Temperature range	From -50 °C to +60 °C
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MECHANICAL FEATURES

Dimensions	120x120x90 and 160x160x90
Degree of protection	IP66/IP67
Material	GRP casing

ASSOCIATED MARECHAL® PRODUCTS

DECONTACTOR™	DXA1, DXN1, DXN3 and DXN6
Connectors	PNCX
Multicontact connectors	PXN12C, DXN25C and DXN37C

ATEX MARKINGS

ATEX zones	IECEx and ATEX for zones 1 and 2 (gas) and 21 et 22 (dusts)
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ATEX markings	Ⓔ II 2 G Ex e IIC T* Gb or Ex ia or ib IIC T* Gb or Ex e ia or ib IIC T* Gb Ⓔ II 2 D Ex tb IIIC T* Db
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Standards compliance	IEC/EN 60079-0, 60079-7, 60079-11 and 60079-31
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Certificates	Certificates IECEx N° IECEx LCIE 16.0042X and ATEX N° LCIE 16 ATEX 3054X
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* Depends on equipment mounted in/on the enclosure and the ambient temperature. Ambient temperature: -50°C to +60°C T6/T5/T4 for gas.

For standard configurations of socket boxes with terminals, see the DXN1, DXN3 and DXN6 pages.
For special configurations, contact us.



ACCESSORIES ON REQUEST

- Earth Stud
- Earth bar
- Junction bar
- Draining and breathing device
- Earth continuity plate
- Metal cable gland with or without earth continuity

Technor®



A WIDE RANGE OF ATEX PRODUCTS



- Safety of people
- Equipment and infrastructure in potentially explosive atmosphere



LIGHTING

Ex d, Ex de, Ex nA, Ex emb

A complete range of lighting with dedicated design for hazardous areas. Manufactured either in stainless steel, marine grade aluminium and cast steel with an extra Polyurethane painting. Every single light brings excellent photometric properties.



CONTROL STATIONS

Ex d, Ex e, Ex de, Ex dem

Range of GRP, Copper free aluminium or Stainless Steel control stations designed to offer a flexible, light weight and cost effective solution tailor made upon customer request.



JUNCTION BOXES

Ex d, Ex e et Ex ia

The AQ/AR range of stainless steel AISI-316L enclosure used as instrument and electrical terminal boxes, where an explosive atmosphere may be present and are especially recommended for chemical agent environments, sea-water corrosion resistance and extremes of low and high temperature, offshore and onshore oriented.

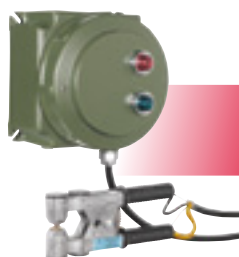
The CP./CPS.. range of copper free aluminium enclosures, used for terminals wiring, grants Ex d or Ex e mode of protection. Internal and external screws are made of AISI316 stainless steel. This series is tailor made on the base of customer specification, including quantity and type of terminals. These boxes are suitable for hazardous areas of industrial plants for indoor and outdoor applications.



FLAMEPROOF ENCLOSURES

Ex d IIB, IIB+H2 et IIC

Large range of enclosures manufactured in Copper free aluminium, Cast Iron or Stainless steel. Ideal for instrument housing, control, check, connection, automation, interruption and/or protection use. They can be equipped with pushbuttons, pilot lamps and selector switches.



EARTHING SYSTEMS

Ex d IIC T5 Gb

Control and discharge system for electrostatic charges suitable for road tankers, rail tankers and any movable tanker for dangerous items, ready for one/two double circuit clamps PTA ISEO-2. System is complete with arrest/consensus optical warning and changeover contact free from output voltage.



VISUAL SIGNAL

Ex d, Ex de IIC

The top of technology among Aircraft Warning Lights, LIOL, MIOL with LED technology, reliable long life and maintenance saving products, in compliance with ICAO and FAA, along with signalization unit like beacons, flashing unit, rotating light.



CABLE GLANDS & ACCESSORIES

Ex d/e

Single seal, double seals cable glands, suitable for unarmored and armored cables. Nickel-chrome plated brass, stainless steel and aluminum made, hexagon shape, anti-ageing EPDM oil resistant gaskets. These cable glands are used in classified Area Zone 1 & 2 and Zone 21 & 22.