



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.heatingandprocess.com


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