

INCREASED SAFETY ENCLOSURES B2X/CDX

EMPTY ENCLOSURES

MARECHAL ELECTRIC FRANCE

II 2 G D Ex eb IIC Gb, Ex tb IIIC Db

IECEx LCIE 24.0001U

LCIE 24 ATEX 3001 U



IP66
IP67



GRP



IK09



B2X
-50 °C
+85 °C



CDX
-25 °C
+90 °C



ATEX



1, 2,
21, 22

OTHER FEATURES

B2X dimensions	120x120 mm or 160x160 mm
CDX dimensions	342x225x156 mm
B2X	with or without hinges
CDX	composed of two parts fixed on hinges
CDX modularity	flat or angled covers
Fastenings	captive stainless steel screws
Glow-wire flammability index according to IEC/EN 60695-2-12	700 °C
Class II insulation available	

STANDARDS

International and European IEC/EN standards	60079-0, 60079-7, 60079-31
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B2X References

209AC12	120x120 with hinge
209AC16	160x160 with hinge
209ACP12	120x120 without hinge
209ACP16	160x160 without hinge

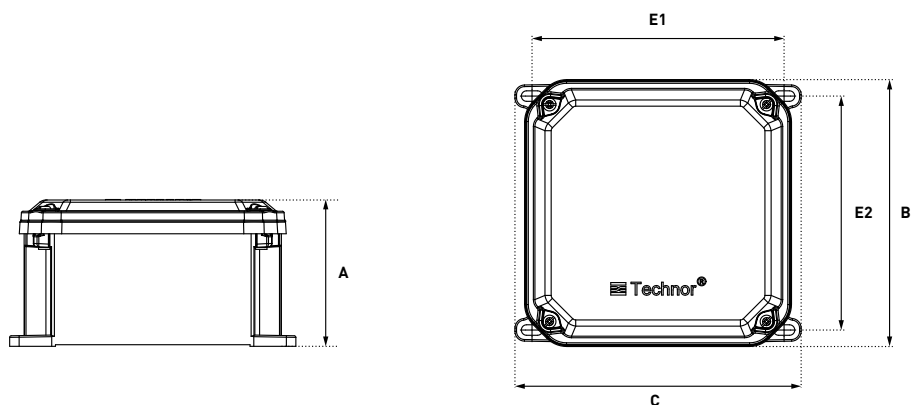
CDX References

253A053CDXAA	2 inclined plates
253A053CDXPA	Flat plate + inclined plate
253A053CDXPP	2 flat plates

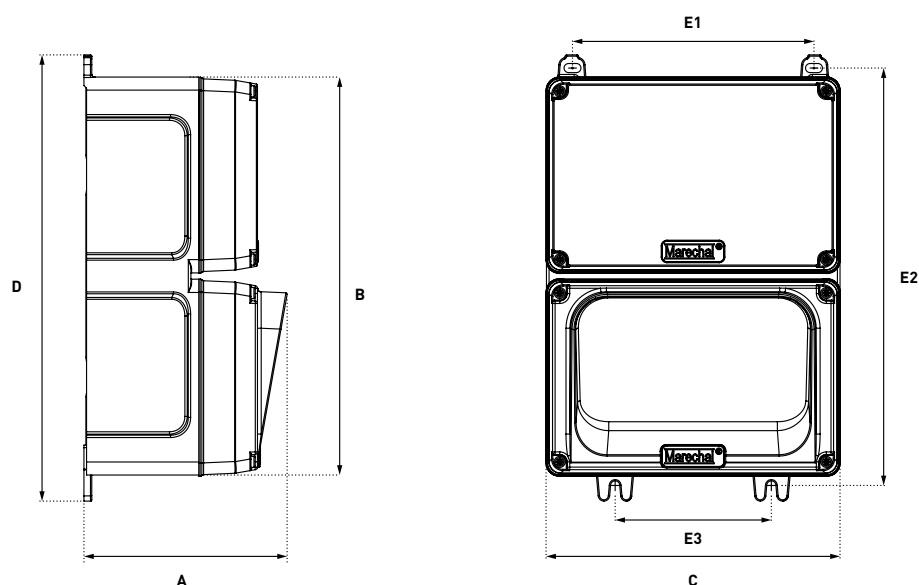
DRAWINGS AND DIMENSIONS



DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com



B2X	A	B	C	E1	E2
120x120	91	141	126	117	106
160x160	91	178	166	157	146



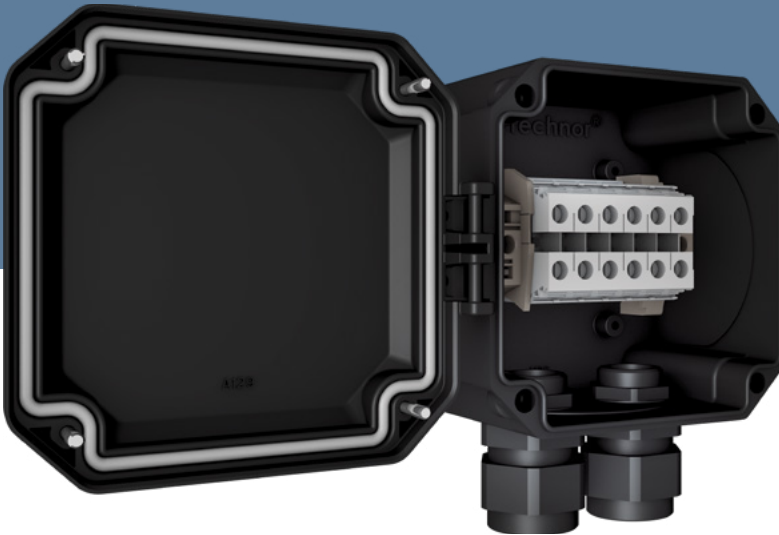
CDX	A	B	C	D	E1	E2	E3
	156	305	225	342	185	320	120

SOCKET OR JUNCTION BOXES B2X

MARECHAL ELECTRIC FRANCE

II 2 G Ex e IIC T⁽²⁾ Gb
 or Ex ia or ib IIC T⁽²⁾ Gb
 or Ex e ia or ib IIC T⁽²⁾ Gb
 II 2 D Ex tb IIIC T⁽²⁾ Db
 IECEx LCIE 16.0042X
 LCIE 16 ATEX 3054X

(2) Depending on configurations and ambient T° T6/T5/
 T4 for the gas.



IP66
 IP67



0,22 –
 35 mm²



GRP



IK09



-50 °C
 +60 °C



ATEX



1, 2,
 21, 22



Existing terminal
 configurations for 25 A,
 32 A, 45 A and 63 A.

FEATURES

II 2 G D Ex e IIC Gb, Ex tb IIIC Db

Intrinsic safety capability

For Ex socket and/or EX terminals

Two dimensions (WxHxD) in mm

120x120x91 mm,
 one drilled hole per side (M40 max.)
 160x160x91 mm,
 up to two drilled holes per side (M40 max.)

With or without hinges

Flexible & stranded wiring (min. - max.)

0,22 – 16 mm²

Fastenings

captive stainless steel screws

Glow-wire flammability index according to
 IEC/EN 60695-2-12

700 °C

Class II insulation available

ASSOCIATED MARECHAL® PRODUCTS

DECONTACTOR™

DXA1, DXN1, DXN3, DXN6

Connectors

PNCX

Multicontact connectors

PXN12C

STANDARDS

International and European
 IEC/EN standards

60079-0, 60079-7, 60079-11, 60079-31

CONFIGURATIONS

- 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

CONFIGURATION TYPES POLYAMIDE CABLE GLAND



Junction box in GRP, with polyamide cable glands, blanking-plug, terminals as described.

SIZE	CONFIG.	CABLE GLAND	STOPPING PLUG (as free part)	TERMINAL	MAX CURRENT ⁽¹⁾	ARTICLE NUMBER
120x120x90 mm		2 x M20 (10-14 mm)	/	5 x 4 mm ² + 2 E	25 A	24A1C0000J169
		3 x M20 (10-14 mm)	1 x M20	5 x 4 mm ² + 2 E	25 A	24A1C0000J170
		4 x M20 (10-14 mm)	2 x M20	7 x 4 mm ² + 2 E	25 A	24A1C0000J171
		2 x M25 (12-18 mm)	/	5 x 6 mm ² + 2 E	32 A	24A1D0000J172
		3 x M25 (12-18 mm)	1 x M25	5 x 6 mm ² + 2 E	32 A	24A1D0000J173
		4 x M25 (12-18 mm)	2 x M25	7 x 6 mm ² + 2 E	32 A	24A1D0000J174
160x160x90 mm		2 x M32 (16-25 mm)	/	5 x 10 mm ² + 2 E	45 A	24C1E0000J175
		3 x M32 (16-25 mm)	1 x M32	5 x 10 mm ² + 2 E	45 A	24C1E0000J176
		4 x M32 (16-25 mm)	2 x M32	7 x 10 mm ² + 2 E	45 A	24C1E0000J177
		2 x M40 (22-32 mm)	/	5 x 16 mm ² + 2 E	63 A	24C1F0000J178
		3 x M40 (22-32 mm)	1 x M40	5 x 16 mm ² + 2 E	63 A	24C1F0000J179
		4 x M40 (22-32 mm)	2 x M40	7 x 16 mm ² + 2 E	63 A	24C1F0000J180
		6 x M20 (10-14 mm)	3 x M20	12 x 4 mm ² + 4 E	25 A	24C1C0000J195
		8 x M20 (10-14 mm)	4 x M20	14 x 4 mm ² + 4 E	25 A	24C1C0000J196
		6 x M25 (12-18 mm)	3 x M25	12 x 6 mm ² + 4 E	32 A	24C1D0000J197
		8 x M25 (12-18 mm)	4 x M25	12 x 6 mm ² + 4 E	32 A	24C1D0000J198
		6 x M32 (16-25 mm)	3 x M32	10 x 10 mm ² + 3 E	45 A	24C1E0000J199
		8 x M32 (16-25 mm)	4 x M32	10 x 10 mm ² + 3 E	45 A	24C1E0000J200

[1] Maximum current, at +60°C, for the maximum cable cross-section per terminal of the configuration concerned.
Details and drawings available on request.



According to configurations and the temperature class requested, the maximum current can be modified.
Contact us for other configurations and boxes.



CONFIGURATION TYPES POLYAMIDE CABLE GLAND

Junction box in GRP, with cable glands, blanking-plug, terminals as described.

SIZE	CONFIG.	CABLE GLAND	STOPPING PLUG (as free part)	TERMINAL	MAX CURRENT ⁽¹⁾	ARTICLE NUMBER
120x120x90 mm		2 x M20 (6-12/8-17 mm)	/	5 x 4 mm ² + 2 E	25 A	24A1C0000J201
		3 x M20 (6-12/8-17 mm)	1 x M20	5 X 4 mm ² + 2 E	25 A	24A1C0000J202
		4 x M20 (6-12/8-17 mm)	2 x M20	7 X 4 mm ² + 2 E	25 A	24A1C0000J203
		2 x M25 (6-17/14-23 mm)	/	5 X 6 mm ² + 2 E	32 A	24A1D0000J204
		3 x M25 (6-17/14-23 mm)	1 x M25	5 X 6 mm ² + 2 E	32 A	24A1D0000J205
		4 x M25 (6-17/14-23 mm)	2 x M25	7 X 6 mm ² + 2 E	32 A	24A1D0000J206
160x160x90 mm		2 x M32 (14-23/20-29 mm)	/	5 X 10 mm ² + 2 E	45 A	24C1E0000J207
		3 x M32 (14-23/20-29 mm)	1 x M32	5 X 10 mm ² + 2 E	45 A	24C1E0000J208
		4 x M32 (14-23/20-29 mm)	2 x M32	7 X 10 mm ² + 2 E	45 A	24C1E0000J209
		2 x M40 (23-36/29-42 mm)	/	5 X 16 mm ² + 2 E	63 A	24C1F0000J210
		3 x M40 (23-36/29-42 mm)	1 x M40	5 X 16 mm ² + 2 E	63 A	24C1F0000J211
		4 x M40 (23-36/29-42 mm)	2 x M40	7 X 16 mm ² + 2 E	63 A	24C1F0000J212
		6 x M20 (6-12/8-17 mm)	3 x M20	12 X 4 mm ² + 4 E	25 A	24C1C0000J213
		8 x M20 (6-12/8-17 mm)	4 x M20	14 X 4 mm ² + 4 E	25 A	24C1C0000J214
		6 x M25 (6-17/14-23 mm)	3 x M25	12 X 6 mm ² + 4 E	32 A	24C1D0000J215
		8 x M25 (6-17/14-23 mm)	4 x M25	12 X 6 mm ² + 4 E	32 A	24C1D0000J216
		6 x M32 (14-23/20-29 mm)	3 x M32	10 X 10 mm ² + 3 E	45 A	24C1E0000J217
		8 x M32 (14-23/20-29 mm)	4 x M32	10 X 10 mm ² + 3 E	45 A	24C1E0000J218

(1) Maximum current, at +60°C, for the maximum cable cross-section per terminal of the configuration concerned.
Details and drawings available on request.



According to configurations and the temperature class requested, the maximum current can be modified.
Contact us for other configurations and boxes.