



Mains connection box for e-mobility charging infrastructure

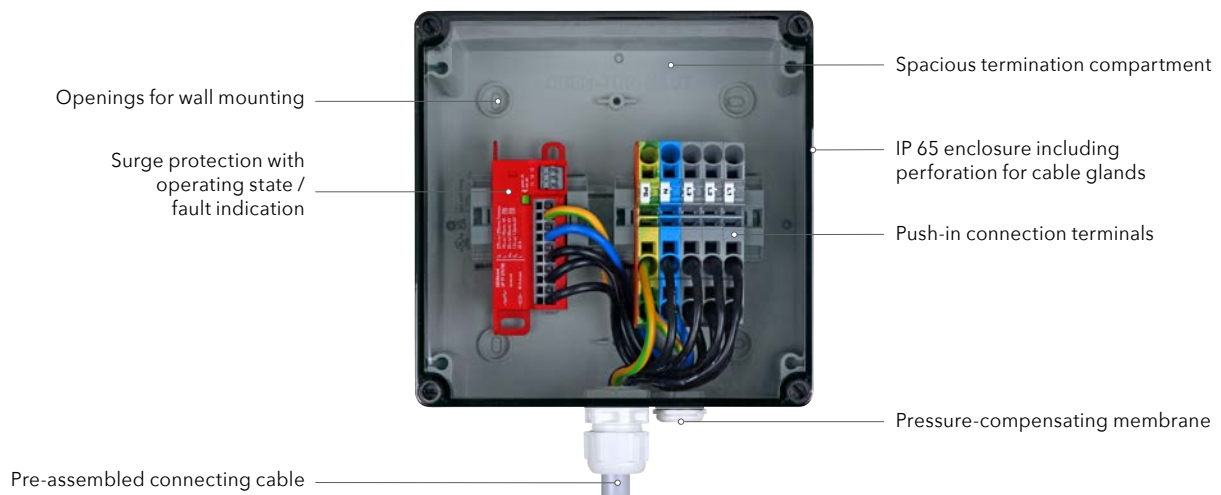
DEHNCube EMOB



Prewired system solution for protecting wallboxes from surges

The compact DEHNCube EMOB solutions offer optimum protection for wallbox and vehicle with a charging capacity of 11 to 22 kW. The integrated lightning and surge arrester ensures the availability of the charging infrastructure in the event of high-energy surges from the utility grid.

All the features at a glance:



All the benefits at a glance

■ Push-in connection terminal

The maintenance-free push-in technology enables simple and quick connection. Regardless whether it's with flexible or rigid mains connecting cables up to a cross-section of 6 mm².

■ Pre-assembled mains connection boxes

Pre-assembly of cable glands, surge protective devices and connecting cables for the wallbox at the factory saves valuable time during installation. The flexible connecting cables with a length of 1.5 m can be shortened if necessary. Cable glands for the customer's mains connection are included with all DEHNcube EMOB variants and can be used individually by the installer on site.

■ Easy wall mounting

The easily accessible mounting holes in the rear wall of the enclosure facilitate installation.

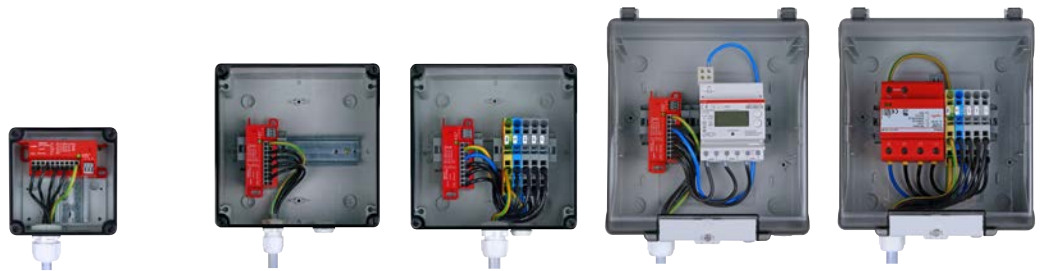
■ Protected charging system

Space-saving lightning and surge protective devices protect the charging device (wallbox) and vehicle from surges on the mains.

■ 5 versions

Versions 1 to 4 of the mains connection boxes are available with a surge protective device type 2 + 3. Version 5 is equipped with a combined arrester (type 1 + type 2).

Technical data



Feature	Version 1 Type 2 + 3	Version 2 Type 2 + 3	Version 3 Type 2 + 3	Version 4 Type 2 + 3 with meter	Version 5 Type 1 + 2
Type	DCU EMOB 2 16	DCU EMOB 2 25	DCU EMOB 2 32	DCU EMOB 2 25 C	DCU EMOB 1 32
Part no.	900 901	900 902	900 905	900 903	900 904
Nominal voltage AC (U _N)	230/400 V	230/400 V	230/400 V	230/400 V	230/400 V
Nominal alternating current (I _N)	16 A	25 A	32 A	25 A	32 A
Max. power	11 KW	11/22 KW	11/22 KW	11/22 KW	11/22 KW
SPD as per EN 61643-11 / IEC 61643-11	Type 2 + 3	Type 2 + 3	Type 2 + 3	Type 2 + 3	Type 1 + 2
Voltage protection level (U _p)	≤ 1.5 kV	≤ 1.5 kV	≤ 1.5 kV	≤ 1.5 kV	≤ 1.5 kV
Connecting cable l = 1.5 m	5G4	5G4	5G6	5G4	5G6
Max. cross-sectional area	6 mm ²	6 mm ²	6 mm ²	6 mm ²	6 mm ²
ABB meter type	-	-	-	EV3 012-100	-
Degree of protection	IP 65	IP 65	IP 65	IP 65	IP 65
Enclosure dimensions L x W x H	110x110x66 mm	182x180x100 mm	182x180x100 mm	217x253x115 mm	217x253x115 mm
Tested according to EN 61439-2	yes	yes	yes	yes	yes

Protection for data lines



DEHNcube versions 2 to 5 can be optionally retrofitted with the DEHNpatch surge arrester for protecting Ethernet applications of the latest generation up to 10 GBit/s and 4PPoE.

Part no.: 929 161

Technical Support

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More information on
protecting wallboxes:
www.dehn.de/5MkKC

