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## **DEHNcube EMOB – prewired system solution to protect the wallbox from surges**

**A prerequisite for the successful expansion of electromobility is a large-scale networked and intelligent charging infrastructure. Elements such as battery-powered storage, remotely controllable charging stations with integrated energy and load management systems, and charge controllers have one key thing in common: they all contain sensitive electronic components which are highly susceptible to damage caused by lightning and surges. The compact DEHNcube EMOB solutions offer protection for wallbox and vehicle with a charging capacity of 11 to 22 kW and are easily retrofitted in existing systems.**

The surge protection integrated in the compact DEHNcube EMOB enclosure ensures the availability of the charging infrastructure in the event of high-energy surges from the utility grid. Five versions of the product are available for a wide range of applications. Four of them come with a type 2 + 3 surge protective device. The other is equipped with a type 1 + 2 combined arrester. Four of the DEHNcube versions can be optionally retrofitted with the DEHNpatch surge arrester for protecting Ethernet applications of the latest generation up to 10 GBit/s and 4PPoE.

Their compact design and flexible application options make these protective devices the optimal solution for retrofitting. In addition, 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 mm<sup>2</sup>. 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 five DEHNcube EMOB variants and can be used individually by the installer on site. Pre-assembly of cable glands, surge protective devices and connecting cables for the wallbox at the factory saves valuable time during installation. In addition, the easily accessible mounting holes in the rear wall of the enclosure facilitate wall mounting.

[More information on the new products can be found here.](#)

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DEHN system solution to protect the e-mobility charging infrastructure against surges.  
Photo: DEHN

#### **About DEHN SE**

DEHN is a leading, international family-owned electrical engineering company based in Neumarkt, Germany. With its comprehensive portfolio, DEHN addresses the megatrends of our time - from e-mobility and renewables to the protection of critical infrastructure. The company offers solutions and services for lightning and surge protection as well as safety equipment – fields in which, with more than 1,100 patents, DEHN is a leading innovator. The company's products protect people and buildings, systems and telecommunications technology, process industry, as well as photovoltaic systems and wind turbines. With more than 2,400 employees worldwide, DEHN achieved revenue of around 460 million euros in the fiscal year 2022/2023. Alongside more than 110 years of experience, this constant growth is based on the highest quality standards and a consistent orientation towards customers and markets worldwide.