

Quick and safe charging: DEHN presents surge protection for high power charging and fast charging posts

The expansion of the charging infrastructure for electric mobility is gaining momentum. Although there is still a long way to go before charging points are available everywhere, it is already crucial to protect these investments and ensure their uninterrupted operation. DEHN is now expanding its portfolio to include the DEHNguard M DC ACI 1250 FM, a surge arrester specially developed for use in HPCs and fast charging stations up to 1250 V. The device is also a reliable component in DC battery storage systems.

Quick and easy commissioning and, ultimately, long-term reliable operation of the equipment are the main priority for operators and installers of charging stations. Surge protective devices such as the new DEHNguard M DC ACI 1250 FM are an essential part of the protection concept for these systems. With a protection level of 2.5 kV and short-circuit resistance of 100 kA, this modular Type 2 arrester is also ideal for use in battery storage systems. In addition, non-response up to 1200 V fulfils the normative requirement of IEC 61851-23.

The built-in ACI technology with integrated switch-spark gap combination eliminates the need for an external back-up fuse, saving valuable space in the charging post. There is no need for complex dimensioning of back-up fuses, selectivity and connection cross-sections when designing new charging points.

The pluggable modules can be replaced quickly and easily in the event of a defect. The floating remote signalling contact on the underside of the device provides reliable information about the status of the arrester for particularly easy remote monitoring.

[Further information](#) can be found on the landing page for the product.



DEHN expands its e-mobility portfolio with the DEHNGuard M DC ACI 1250 FM. The modular Type 2 arrester is ideally suited for DC charging systems up to 1250 V.

Image: DEHN



The new DEHNGuard M DC ACI 1250 FM is ideal for use in HPCs and fast charging stations to ensure the reliable operation of charging points.

Image: DEHN



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About DEHN

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 2,500 employees worldwide, DEHN achieved revenue of around 470 million euros in the fiscal year 2023/2024. Alongside more than 115 years of experience, this constant growth is based on the highest quality standards and a consistent orientation towards customers and markets worldwide.