
POWERFUL PROTECTION FOR CRITICAL ELECTRICAL INFRASTRUCTURE

SAINT BONNET DE MURE, XXXX 2026 – Electrical protection specialist Mersen will be presenting pioneering solutions for low-voltage networks in commercial and industrial buildings [at Light + Building 2026](#). As a recognized leader in overcurrent and overvoltage protection with high-performance solutions, Mersen will showcase at its exhibition stand the new generation of powerful ProGrid NH fuse-switch disconnectors alongside the Surge-Trap® K surge protection system.

ProGrid fuse switch disconnectors represent Mersen's new generation of FSDs, integrating innovative and patented functionalities. They offer reliable protection against overcurrent for industrial networks and smart grids, thus ensuring the availability of the low-voltage network. Equipped with a smart option, ProGrid enables monitoring, event detection and reporting across low voltage networks. It provides reliable overcurrent protection for industrial installations and smart grids, ensuring network availability while delivering a key step toward the digitalisation of grid infrastructure.

Safest load break switch on the market

The switching mechanism of NH fuse switch disconnectors is unique and patented: their NH fuse blades are first released by the fuse contacts on both sides in parallel translation. This enables the switch to achieve optimum arc interruption. The complete movement is safer than other solutions as it guarantees IP20 contact protection for the user when opening the fuse covers. Parking positions for maintenance work and padlocks in the open, closed and park positions make this fuse switch disconnector the safest on the market. The complete device has been recognized with both German Innovation and German design award.

Easy installation, easy conversion

Mersen's ProGrid fuse switch disconnectors are available in both standard and smart versions. In addition to the standard functions, the smart version allows the energy flow in low-voltage networks to be monitored and controlled in real time. Standard ProGrid fuse-switch disconnectors can be upgraded to the Smart version without redesign or extra space. The integrated smart-monitoring module enables effortless retrofit, making ProGrid the most compact smart FSD solution on the market. ProGrid is quick and easy to install thanks to direct and secure attachment to live busbars. In addition, the fuse switch disconnector can be mounted on unscrewed busbars using hook clamps – even with current transformers.

Compact surge protection for buildings

Another innovation from Mersen at Light + Building will be the Surge-Trap® K surge protection system, designed and manufactured in Europe. The type 1+2 / class I+II devices protect electrical installations against lightning strikes (10/350 µs) and induced surges (8/20 µs). They offer multi-certified protection for

main distribution boards and, thanks to their compact dimensions, fit perfectly into them. Featuring a patented plug mechanism, the system delivers ergonomic, tool-free extraction and remains vibration-proof even under the highest IEC 60721-rated stress levels (2M3 for transport and 3M8 in operation). Designed for easy installation, the system features a double PE for distributed grounding and equipotential bonding, while its mechanical coding – covering both voltage and line/neutral – prevents cartridge insertion errors and ensures safe, foolproof operation.

The Surge-Trap® K is suitable for use in buildings as well as at charging stations for electric vehicles or in industrial facilities.

Visit Mersen at Light + Building from 8 to 13 March 2026 in Frankfurt in Hall 11 at Stand B10.

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ABOUT MERSEN

Mersen is a world leader in electrical energy and advanced materials for high-tech industries. With more than 135 years of experience, the company is present in over 50 industrial sites and 21 research and development centres in 33 countries.

Mersen offers a broad product portfolio in the areas of electrical protection and control technology as well as solutions for energy management applications. Mersen's teams work with customers around the world to develop and deliver customised solutions and key products for various key markets, including retail, industry, renewable energy, power electronics and e-mobility. Mersen's mission is to make its customers' applications safer and more reliable. For more information, visit ep.mersen.com.

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Images



Mersen-xy.jpg: Mersen Surge-Trap® K is eco-friendly by design: a 95% recyclable product, chemical-free packaging and sustainability built into every detail

Photo: Mersen



Mersen-xy.jpg: The Progrid fuse switch disconnecter and NH fuses are entirely designed and manufactured internally by MERSEN

Photo: Mersen

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