DATASHEET
Local extinguishing system (LES-RACK)
Information is critically important to us all, therefore data security is paramount. One of the most dangerous threats to our data systems is fire. The LES-RACK ensures that any fires occurring within the rack are dealt with quickly and effectively.

LES-RACK is a self-contained, fully automatic fire detection and protection system (designed for direct installation into 19” racks with IP30 or higher) offering an efficient, effective solution for servers, telecommunication and control racks/cabinets. The LES-RACK-M unit comes with a fully equipped fire detection, control, evaluation, communication and extinguishing system. Larger-sized server racks and adjacent cabinet units may be protected with additional auxiliary LES-RACK-S units including fire detection, communication and extinguishing systems.

LES-RACK employs clean gas, flooding the protected space until the fire is completely extinguished. The unit is comprised of metal cylinders filled with agent NOVEC™ 1230, in accordance with TUPO (the Technical Institute of Fire Protection, Authorization Body 221), and pressurized by propelling gas.

Each LES-RACK system is equipped with optical fire detectors, which – in order to eliminate false alarms – are interconnected in double-loop dependency and connected to an evaluation and control unit. This integrated control unit indicates the system’s current status, controlling and evaluating the extinguishing unit. The LES RACK-M system allows communication with the building’s fire alarm control panel (FACP), reporting the status – pre-alarm, alarm and extinguishing – as the process unfolds.
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