CONTEG DATASHEET

COMPLEMENTARY SYSTEMS

LOCAL EXTINGUISHING SYSTEM (LES-RACK)

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LOCAL EXTINGUISHING SYSTEM (LES-RACK)

Information is critically important to all of us, and the security of our data needs to be ensured. One of the most dangerous threats to our data systems is fire. 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 installation directly into 19" racks with IP30 or higher. It offers a very efficient and 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 that include a fire detection, communication and extinguishing system.

The LES-RACK system extinguishes fires by flooding the protected space with a clean gas and maintains this method until the fire is completely out. The extinguishing unit is formed by metal pressure cylinders filled with and extinguishing mixture (the clean extinguishing agent HFC-236fa Hexafluoropropane in accordance with the Type certificate of Type issued by TUPO – Technical Institute of Fire Protection, Authorized Body 221) and pressured by propelling gas.

To detect a fire, 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 the evaluation and control unit. The integrated control unit indicates the system's current status and controls and evaluates the extinguishing unit. The LES RACK-M system allows communication with the building's fire alarm control panel (FACP) and reports its status: pre-alarm, alarm and extinguishing.

Standard Parts only warranty is 12 months. For more information visit www.conteg.com.



"With LES-RACK you have one les(s) thing to worry about!"

Code	Description
LES-RACK-M	Fire detection, control, evaluation, communication and fire extinguishing unit
LES-RACK-S	Detection, communications and fire extinguishing unit

LES-RACK parameter	Value
Unit width	483 mm / 19"
Unit height	105 mm / 2.5U
Unit base depth	382 mm
Total depth of detection extension, according to the depth of protected equipment	max. 750 mm
Weight of the system	15.5 kg ± 3 %
Weight of extinguishing agent	2 kg
Classification of environmental conditions, according to EN 60721-3-3	3 k5
Environment class	A
Operating temperature range	-5 °C to 50 °C
Relative humidity of air	95 % non-condensing
Atmospheric pressure	70 to 106 kPa
Operating position	Horizontal – upper most position
Operation type	permanent
Operating pressure at 20° C	10 bar
Maximum operating pressure	16 bar
Shielding, according to ČSN EN 55022	class B device
Electrical input power	max. 40 VA
Protection rating	IP30
Shielding class (non-interference)	RO2
Supply voltage of main source	230 V ± 15 %
Supply frequency of main source	50 Hz
Maximum current supplied by main source	1.25 A
Standby current	210 mA
Current consumption during pre-alarm	300 mA
Current consumption during alarm	2 A
Max. current consumed by outputs in standby	40 mA
Max. current consumed by outputs during alarm	0.5 A
Max. output voltage on terminal X32 (batt. recharge)	13.7 V
Max. current from terminal X32 (batt. recharge)	200 mA
Backup power source (150×94×65 mm)	12 V / 7.2 Ah
Maximum volume of protected cabinet (perforated - min. IP30)	1.5 m ²
Maximum volume of protected cabinet (clossed)	3 m²