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DK 7338.121

Fire alarm and extinguisher system

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FRIEDHELM LOH GROUP

DK 7338.121 - Fire alarm and extinguisher system DET-AC III Master

Compact fire alarm and active extinguisher system with smoke extraction system with 1RU space. For security safes and sealed server racks applications.





Features

Model No.	DK 7338.121
Product description	The active extinguisher system includes the smoke extraction system and the extinguisher unit. The smoke extraction system is identical to that used in the EFD III. When a main alarm is triggered, the extinguishing process starts automatically. For the extinguishing process, the tank is pressurized via a propellant cartridge. The extinguisher gas FK 5-1-12 evaporates at the extinguisher nozzle and is distributed in the server enclosure.
Benefits	Early fire detection Automatic extinguishing Innovative extinguisher gas FK 5-1-12: climate-friendly, uncritical for IT components, non-conductive 19" rack mount with just 1 U Tested by VdS Schadenverhütung GmbH CAN-Bus Interface to CMC III monitoring system Floating relay outputs (pre-alarm/main alarm/collective fault)
Technical specifications	Extinguisher gas discharged by propellant gas cartridge, with integrated electrical trigger unit Integrated extinguisher monitoring (indication of > 15% loss) Maximum admissible protection volume: 2.8 m³
Material	Carbon steel

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Features

Color	Housing: RAL 7035 Front: RAL 9005
Extinguisher gas	Type: FK 5-1-12 Fill volume: 1.8 l
Tank	Material: Aluminum Volume: 2 l
Interfaces	4 x/3 x relay outputs for alarms and faults (terminals/RJ12 jacks) 1 x/1 x input for door contact switch (terminal/RJ12 jack) 2 x CAN connections for master-slave networking 2 x connection (external alarm/manual triggering device) 1 x voltage output for DET-AC slave III (24 V DC max. 500 mA) 1 x USB 2 x CAN bus interfaces to CMC III (max. 16 on PU/4 on PU Compact)
Uninterruptible mains electricity operation	approx. 4 hrs
Note	The system has been designed exclusively for use in closed, non-walk-in enclosure systems with a maximum volume of 2.8 m³. To ensure professional assembly and commissioning of the fire alarm and extinguisher system, it must be installed by a trained specialist. Rittal will be happy to assist you and can provide the relevant service.
Display	Plain language display with 6 LEDs
Sensors	Optical smoke detector (sensitivity: approx. 3.5%/m light obscuration) Optical smoke detector, top hat rail (sensitivity: approx. 0.25%/m light obscuration)
Dimensions	Width: 482.6 mm Height: 44 mm Depth: 660 mm Width: 19 ″ Height: 1.73 ″ Depth: 26 ″
Operating temperature range	10 °C...40 °C 50 °F...104 °F

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Features

Storage temperature range	-20 °C...65 °C -4 °F...149 °F
Storage temperature range, batteries	-15 °C...40 °C
Relative humidity (non-condensing)	96 %
Rated operating voltage	100 V - 240 V, 1~, 50 Hz/60 Hz
Air flow monitoring	approx. ±10% of total air flow
Packaging unit	1 pc(s).
Net weight	21 kg
Gross weight	21.5 kg
PCF/VE (cradle-to-gate)	81.9 kg CO2 eq (Cat B)
CRA risk class	Default (Low Risk)
Information regarding the PCF class	Category B: PCF value (cradle-to-gate) calculated approximately on the basis of the product weight and self-declared
Customs tariff number	84241000
ETIM 9	EC002685
ECLASS 8.0	40040104
Product description	DK DET-AC III Master, fire detection and extinguishing system, active smoke extraction system, early fire detection, automatic extinguishing.

Approvals

Certificates	VDS
Explanations	Declaration of conformity