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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 Novec™ 1230 evaporates at the extinguisher nozzle and is distributed in the server enclosure. |
| Benefits                 | Early fire detection<br>Automatic extinguishing<br>Innovative extinguisher gas Novec™ 1230: climate-friendly, uncritical for IT components, non-conductive<br>19" rack mount with just 1 U<br>Tested by VdS Schadenverhütung GmbH<br>CAN-Bus Interface to CMC III monitoring system<br>Floating relay outputs (pre-alarm/main alarm/collective fault)  |
| Technical specifications | Extinguisher gas discharged by propellant gas cartridge, with integrated electrical trigger unit<br>Integrated extinguisher monitoring (indication of > 15% loss)  |
| Material                 | Carbon steel   |
| Color                    | Housing: RAL 7035<br>Front: RAL 9005   |

# Features

|   |  |
|---|--|
| Extinguisher gas                            | Type: Novec™ 1230<br>Fill volume: 1.8 l  |
| Tank  | Material: Aluminum<br>Volume: 2 l  |
| Interfaces                                  | 4 x/3 x relay outputs for alarms and faults (terminals/RJ12 jacks)<br>1 x/1 x input for door contact switch (terminal/RJ12 jack)<br>2 x CAN connections for master-slave networking<br>2 x connection (external alarm/manual triggering device)<br>1 x voltage output for DET-AC slave III (24 V DC max. 500 mA)<br>1 x USB<br>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.   |
| Display                                     | Plain language display with 6 LEDs   |
| Sensors                                     | Optical smoke detector (sensitivity: approx. 3.5%/m light obscuration)<br>Optical smoke detector, top hat rail (sensitivity: approx. 0.25%/m light obscuration)  |
| Dimensions                                  | Width: 482.6 mm<br>Height: 44 mm<br>Depth: 660 mm<br>Width: 19 "<br>Height: 1.73 "<br>Depth: 26 "  |
| Operating temperature range                 | 10 °C...40 °C<br>50 °F...104 °F  |
| Storage temperature range                   | -20 °C...65 °C<br>-4 °F...149 °F   |
| Storage temperature range, batteries        | -15 °C...40 °C   |
| Relative humidity (non-condensing)          | 96 %   |

## Features

|                                     |  |
|-------------------------------------|--|
| Rated operating voltage             | 100 V - 240 V, 1~, 50 Hz/60 Hz   |
| Air flow monitoring                 | approx. $\pm 10\%$ of total air flow   |
| Packaging unit                      | 1 pc(s).   |
| Net weight                          | 21   |
| Gross weight                        | 21.5   |
| PCF/VE (cradle-to-gate)             | 81.9 kg CO <sub>2</sub> eq (Cat B)   |
| 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   |
| EAN                                 | 4028177699311  |
| ETIM 9                              | EC002685   |
| ECLASS 8.0                          | 40040104   |

## Approvals

|              |                           |
|--------------|---------------------------|
| Certificates | VDS                       |
| Explanations | Declaration of conformity |