

Rittal – The System.

Faster – better – everywhere.



DK 7338.121

Fire alarm and extinguisher system

State: 2026-05-23 (Source: rittal.com/ca-en)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

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) |
| Material | Carbon steel |

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 m ³ . |
| 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 |
| Operating temperature range | 10 °C...40 °C |
| Storage temperature range | -20 °C...65 °C |
| 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 |

Features

| | |
|-------------------------------------|---|
| 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) |
| 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 |