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DK 7338.221

Early fire detection system

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DK 7338.221 - Early fire detection system EFD III

The EFD system is a compact 19", 1 U early fire detection system with active smoke extraction system.

Features

Model No.	DK 7338.221
Product description	The EFD III early fire detection system includes the smoke extraction system in a 19" subrack built into just 1 height unit. An integrated fan continuously extracts air from the area to be protected, via a pipeline system. The extracted air is passed over two fire detectors. If smoke aerosols are detected, the highly-sensitive detector emits a pre-alarm, with the second fire detector emitting the main alarm. The correct functioning of the fire detectors is monitored at all times by the evaluation and control electronics on the control board.
Benefits	Early fire detection 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)
Material	Carbon steel
Color	Housing: RAL 7035 Front: RAL 9005
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 3 x connection (external alarm/manual call point/tank and fill level) 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

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Features

Note	The system is designed exclusively for use in closed non-accessible enclosure systems. 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: 490 mm Width: 19 ″ Height: 1.73 ″ Depth: 19.3 ″
Operating temperature range	10 °C...40 °C 50 °F...104 °F
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	14 kg
Gross weight	15 kg
PCF/VE (cradle-to-gate)	57.2 kg CO2 eq (Cat B)
CRA risk class	Default (Low Risk)

Features

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	85311095
ETIM 9	EC002685
ECLASS 8.0	40040104
Product description	DK EFD III, Early fire detection including smoke extraction system, Designed solely for use in closed, non-accessible enclosure systems, 482.6 mm (19") rack mount, 1 U

Approvals

Certificates	VDS
Explanations	Declaration of conformity