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DK 7030.440

CMC III sensors

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FRIEDHELM LOH GROUP

DK 7030.440 - CMC III sensors

CMC III leak sensor, 15 m

Features

Model No.	DK 7030.440
Design	Leak sensor, 15 m
Benefits	Fast connection and automatic detection via plug & play Power is supplied via the CAN-BUS interface.
Applications	Enclosure monitoring in IT, industry and facility management Monitoring of enclosures, rooms and containers in the IT environment
Function principle	Settings can be made via the CMC III processing unit or IoT interface The 15-metre long sensor cable is secured to the base. If the sensor cable comes into contact with a conductive liquid, the sensor will report a leak
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035
Supply includes	Sensor Mounting plate Assembly parts Leak sensor Detection cable, 15 m
Connection to the CAN bus	Direct
Interfaces	2 x RJ45 CAN bus Terminal
No. of participants per IoT interface (max.)	32

Features

No. of participating PU compact (max.)	4
No. of participating PU (max.)	32
No. of PDU devices (max.)	16
Measuring technique	Conductivity measurement
Dimensions	Width: 110 mm Height: 30 mm Depth: 40 mm
Operating temperature range	5 °C...45 °C
Ambient humidity (non-condensing)	5...95 %
Packs of	1 pc(s).
Net weight	0.802 kg
Gross weight	1.106 kg
PCF per pack (cradle-to-gate)	4.2 kg CO2 eq (Cat B)
CRA risk class	Default (Low Risk)
Note on PCF category	Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared
Customs tariff number	85319000
ETIM 9	EC002627
ECLASS 8.0	27189253
Product description	DK CMC III Leakage sensor, 15 m, WHD: 110x30x40 mm

Approvals

Explanations	Manufacturer's declaration Declaration of conformity

Tender text

7030.440
CMC III leak sensor, 15 m, with CAN bus
Packs of 1
Compact plastic housing with ventilated front in RAL 9005.
Housing in RAL 7035,
Sensor cable (RAL 9005) is connected to the connection cable externally via a plug.
The sensor has two RJ45 connections with an integrated CAN bus. The sensor is automatically detected by the
CMC III system, the Processing Unit, and is provided with a sequential number in the bus sequence. Integrated multi-colour LED as status display.
The sensor cable has a length of 15 m. If the cable comes into contact with a liquid, a contact between the two internal conductors is closed and a leak is detected.
In the event of leak detection, the sensor also indicates a range of 5 m in which the leakage has been detected. This permits a rough estimation of the location of the leak.
The power supply is ensured by connection to the CAN bus for the Processing Unit.
The warning and alarm messages can be displayed via the software for the CMC III Processing Unit.
Technical specifications - Sensor cable:
Mode of operation: Conductivity monitoring
Rated voltage: 24 V DC
Detection length: 15 m
Length connection cable: 2 m
Technical specifications:
Jack for sensor cable: 1
CAN bus jacks RJ45: 2
Protection category: IP 30 to IEC 60 529
Temperature application range:
0 °C to 55 °C
Humidity range:
5% to 95% relative humidity, non-condensing
WxHxD: 110 x 30 x 40 mm
Included in the pack: Sensor, sensor cable with plug, mounting clips for sensor cable with adhesive, quick reference guide and universal mounting set