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DK 7030.430

CMC III sensors

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FRIEDHELM LOH GROUP

DK 7030.430 - CMC III sensors

CMC III leak sensor

Features

Model No.	DK 7030.430
Design	Leak sensor
Product description	CMC III sensors are used for monitoring the physical environment and can be connected directly to the PU via a CAN bus connection cable RJ45. The sensors may also be linked together to form a bus.
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 CMC III leakage sensor has an external sensor mounted vertically to the base. The sensor monitors the base for conductive liquids (leakage) using two contacts.
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035
Supply includes	Sensor Mounting plate Assembly parts External sensor with connection cable
Connection to the CAN bus	Direct
Interfaces	2 x RJ45 CAN bus Terminal

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Features

No. of participants per IoT interface (max.)	32
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	0.26 kg
Gross weight	0.283 kg
PCF per pack (cradle-to-gate)	1.1 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, WHD: 110x30x40 mm

Approvals

Approvals	UL + C-UL (listed)

Approvals

Explanations	Manufacturer's declaration Declaration of conformity

Tender text

7030.430
CMC III leak sensor with CAN bus
Packs of 1
Compact plastic housing with ventilated front in RAL 9005.
Housing in RAL 7035,
Sensor probe (RAL 9005) is connected to the 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 has two pins on the sensor head, between which the conductivity is monitored. If a fluid closes the contact between the two pins, the sensor reports an alarm.
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 probe:
Mode of operation: Conductivity monitoring
Rated voltage: 24 V DC
Protection category: IP 65
Technical specifications:
Jack for sensor probe: 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, temperature probe with cable and plug, quick reference guide and universal mounting set

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