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DK 7030.430 CMC III sensors

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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 |

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) |
| 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) |
| 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