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DK 7010.220 Sensors

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7010.220 - Sensors for CMC III, PDU, LCP, IoT interface

The leak sensor monitors the base for conductive liquids (leakage) using a 15-metre long sensor cable.

Features

| | |
|-----------------------------|--|
| Model No. | DK 7010.220 |
| Design | Leak sensor, for bayed enclosure suites |
| 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, PDU 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 |
| Surface finish | Front: Smooth Enclosure: Textured |
| Colour | RAL 9005 |
| Supply includes | Leak sensor Detection cable, 15 m Mounting plate Assembly parts |
| Connection to the CAN bus | Direct |
| Interfaces | 2 x RJ45 CAN bus |
| Dimensions | Width: 110 mm Height: 30 mm Depth: 40 mm |
| Operating temperature range | 0 °C...45 °C |

Features

| | |
|-----------------------------------|---|
| Ambient humidity (non-condensing) | 5...95 % |
| Packs of | 1 pc(s). |
| Net weight | 0.85 kg |
| Gross weight | 1.057 kg |
| Customs tariff number | 90261029 |
| ETIM 9 | EC002627 |
| Product description | DK Leak point sensor, for bayed enclosure suites, connection via CAN bus interface, WxHxD: 110x30x40 mm, RAL 9005 |

Approvals

| | |
|--------------|---------------------------|
| Approvals | UL + C-UL (listed) |
| Explanations | Declaration of conformity |

Tender text

Leakage sensor, for rack rows with CAN-Bus

Art. 7010220

PU = 1 piece

Compact plastic enclosure with ventilated front, RAL 9005.

Sensor cable (RAL 9005) externally connected with connection cable via plug.

The sensor has two RJ45 connectors with an integrated CAN bus. The sensor is automatically recognized by the Rittal Embedded Devices and assigned a consecutive number within the bus sequence.

Integrated multi-color LED as status indicator.

The sensor cable has a length of 15 m. If the cable comes into contact with a liquid, a contact between two internal conductors is closed and a leakage is detected.

In the event of leakage detection, the sensor additionally provides a range of 5 m in which the leakage has been detected. This allows an approximate estimation of the leakage location.

Power is supplied via the connection to the CAN bus.

The warning and alarm messages can be displayed via the software of the Rittal Embedded Devices.

Technical data sensor cable:

Operating principle: Conductivity monitoring

Rated voltage: 24 V DC

Detection length: 15 m

Length of connection cable: 2 m

Technical data:

Socket for sensor cable: 1

CAN bus sockets RJ45: 2

Degree of protection: IP 20 according to EN 60 529

Operating temperature range:

0 °C to + 55 °C

Operating humidity range:

5% to 95% RH non-condensing

WxHxD: 110 x 30 x 40 mm

Included in the PU: Sensor, sensor cable with plug, quick guide and universal mounting kit