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DK 7010.220

Sensors

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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