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DK 7030.130

CMC III sensors

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FRIEDHELM LOH GROUP

DK 7030.130 - CMC III sensors

CMC III vandalism sensor



Features

Model No.	DK 7030.130
Design	Vandalism 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 vandalism sensor monitors the gravitational forces (G-forces) acting on the three x, y and z axes. The sensor is mounted on the enclosure frame and vibrations acting on the enclosure are transmitted to the sensor.
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035

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Features

Supply includes	Sensor Mounting plate Assembly parts Vandalism sensor
Connection to the CAN bus	Direct
Interfaces	2 x RJ45 CAN bus
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	Acceleration measurement
Dimensions	Width: 80 mm Height: 30 mm Depth: 40 mm
Operating temperature range	0 °C...55 °C
Ambient humidity (non-condensing)	5...95 %
Packs of	1 pc(s).
Net weight	0.108 kg
Gross weight	0.193 kg
PCF per pack (cradle-to-gate)	0.7 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 Vandalism sensor, WHD: 80x28x40 mm

Approvals

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

Tender text

7030.130
CMC III vandalism sensor with CAN bus
Packs of 1
Compact plastic housing with ventilated front in RAL 9005.
Housing in RAL 7035,
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 measures and monitors the acceleration in three axes x, y and z. The position of the enclosure is also monitored, for example, if an enclosure falls over.
The power supply is ensured by connection to the CAN bus for the Processing Unit.
The warning and alarm limit values can be set via the software for the CMC III Processing Unit, however they are saved in the sensor itself.
Technical specifications:
Mode of operation: Acceleration sensor
Monitoring: x, y and z axes
Measurement range: -7 to +7 g
Resolution: 0.1 g
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: 80 x 28 x 40 mm
Included in the pack: Sensor, quick reference guide and universal mounting set