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## DK 7030.130 CMC III sensors

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# 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<br>Power is supplied via the CAN-BUS interface.   |
| Applications        | Enclosure monitoring in IT, industry and facility management<br>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<br>The CMC III vandalism sensor monitors the gravitational forces (G-forces) acting on the three x, y and z axes.<br>The sensor is mounted on the enclosure frame and vibrations acting on the enclosure are transmitted to the sensor. |
| Material            | Plastic<br>Front: Smooth<br>Enclosure: Textured   |
| Colour              | Front: RAL 9005<br>Enclosure: RAL 7035  |

# Features

|  |  |
|--|--|
| Supply includes                              | Sensor<br>Mounting plate<br>Assembly parts<br>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<br>Height: 30 mm<br>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

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|           |                    |
|-----------|--------------------|
| Approvals | UL + C-UL (listed) |
|-----------|--------------------|

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|              |                           |
|--------------|---------------------------|
| 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