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DK 7030.190

CMC III sensors

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FRIEDHELM LOH GROUP

DK 7030.190 - CMC III sensors

CMC III universal sensor

Features

Model No.	DK 7030.190
Design	Universal 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 sensor has two digital inputs and one analogue input, which can be configured as required for the application in question. The digital inputs can be configured as 2x floating monitoring contacts, 2x S0 bus inputs (energy measuring instruments) or 1x Wiegand interface (external access systems). The analogue input can be used as a 4 - 20 mA interface.
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035
Supply includes	Sensor Mounting plate Assembly parts Universal sensor
Connection to the CAN bus	Direct

Features

Interfaces	2 x RJ45 CAN bus analog, 4 – 20 mA 2 digital inputs/S0 bus/Wiegand
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
Dimensions	Width: 110 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	0.125 kg
Gross weight	0.199 kg
PCF per pack (cradle-to-gate)	0.8 kg CO2 eq (Cat B)
CRA risk class	Default (Low Risk)
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 universal sensor, for connecting to CMC III processing unit via CAN bus interface, interfaces: 2 x digital inputs

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Approvals

Approvals	UL + C-UL (listed)
Explanations	Manufacturer's declaration Declaration of conformity

Tender text

7030.190
CMC III universal 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 contains three inputs:
1st input optionally as
(digital input/S0Bus/Wiegand)
2nd input optionally as
(digital input/S0Bus/Wiegand)
3rd input as
- 4 - 20 mA analogue input
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:
Interfaces:
- 2 digital inputs for one potential-free contact each, NO/NC
- 2 DIN counter inputs (S0)
- Wiegand interface for read system
- 4 to 20 mA input, system voltage 24 V DC
Terminals for signal: 6
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, quick reference guide, interface socket and universal mounting set