Rittal – The System.

Faster – better – everywhere.

DK 7030.120

CMC III sensors

State: 25/08/2025 (Source: rittal.com/uk-en)

ENCLOSURES POWER DISTRIBUTION CLIMATE CONTROL IT INFRASTRUCTURE SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

DK 7030.120 - CMC III sensors

CMC III access sensor

Features

Model No.	DK 7030.120
Design	Infrared access 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 infrared access sensor uses infrared light to monitor whether the enclosure door is open or closed. The sensor has an integrated infrared transmitter and receiver. The sensor is mounted in the enclosure and pointed at the door so that the light is reflected by a reflector strip on the door.
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035

Features

Supply includes	Sensor Mounting plate Assembly parts Infrared access 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
Note	The CMC III infrared access sensor uses infrared light to monitor whether the enclosure door is open or closed.
Measuring technique	Infrared diode with receiver and reflector
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	0.15
Gross weight	0.176
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
EAN	4028177659506
ETIM 9	EC002627

Features

ECLASS 8.0	27189253

Approvals

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

Tender text

7030.120
CMC III infrared access 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 indicates whether the rack door is open or closed. Side panels, roof panels or room doors can also be monitored. An infrared diode as transmitter and an infrared receiver are incorporated in the sensor. If the infrared light is reflected by a door, for example, the access sensor reports the door as being closed. The distance between the sensor and the door can be set via the software for the CMC III Processing Unit, however it is saved in the sensor itself. The power supply is ensured by connection to the CAN bus for the Processing Unit.
Technical specifications:
Mode of operation: Optical
Transmitter: Infrared diode
Receiver: Infrared receiver
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