Rittal – The System.

Faster – better – everywhere.



DK 7030.140

CMC III sensors

State: 24/11/2026 (Source: www.rittal.com/com-en)

ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

DK 7030.140 - CMC III sensors

CMC III analog airflow sensor

Features

Model No.	DK 7030.140
Design	Analog airflow 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 airflow sensor has an external sensor mounted in the airflow. The sensor measures the air flow from heat losses, and can detect fluctuations in the flow. Application: Fans, filters, climate control units
Material	Plastic Front: Smooth Enclosure: Textured
Colour	Front: RAL 9005 Enclosure: RAL 7035
Supply includes	Sensor Mounting plate Assembly parts External airflow sensor including assembly parts
Connection to the CAN bus	Direct
Interfaces	2 x RJ45 CAN bus Terminal

© Rittal 2026

Features

No. of participants per IoT interface (max.)	10
No. of participating PU compact (max.)	4
No. of participating PU (max.)	10
No. of PDU devices (max.)	5
Number subscribers per PDU note	Max. 5 p. for power supply with PoE
Measuring technique	Differential temperature measurement
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	0.53 kg
Gross weight	0.536 kg
PCF per pack (cradle-to-gate)	1.6 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 Analog airflow sensor, WHD: 110x30x40 mm

Approvals

Approvals

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

Tender text

7030.140
CMC III analogue airflow sensor with CAN bus
Packs of 1
Compact plastic housing with ventilated front in RAL 9005.
Housing in RAL 7035,
Sensor probe (blue) is connected to the cable externally via a plug.
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 current analogue air speed, which can be displayed by the CMC III. For example, the degree of soiling of a filter mat can be displayed over a period of time.
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 - Sensor probe:
Mode of operation: Differential temperature measuring process
Rated voltage: 24 V DC
Sensor probe interface: 4 to 20 mA
Measurement range: 0.5 to 15 m/s
Protection category: IP 65
Technical specifications:
Jack for airflow sensor: 1
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, temperature probe with cable and plug, quick reference guide and universal mounting set

© Rittal 2026