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DK 7030.500 CMC III door control system

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DK 7030.500 - CMC III door control system

For automatic door opening of a TS IT rack in emergency situations.

Features

Model No.	DK 7030.500
Product description	For automatic opening of the doors of a TS IT rack in emergency situations. Activated via the Door Control Module (DCM) control unit. One DCM activates one rack with 2 doors (front/rear door). We recommend the use of CMC III and access sensors.
Technical specifications	1st rated voltage: 24 V (DC) Door Control Module via CMC III CAN bus, redundant to 2nd rated voltage 2nd rated voltage: 24 V (DC) CMC III power pack for Door Control Module and magnet systems 3rd rated voltage: 24 V (DC) CMC III power pack only for spindle motors (protect with UPS) 3 x digital inputs: Alarm/front door/rear door 1 x input for reader units: Coded lock/transponder reader 2 x outputs for door kits: Magnet system with damper 2 x outputs for door kit extensions: Spindle motors 2 x CAN bus CMC III: RJ 45 for CAN bus cable
Colour	Front: RAL 9005
Supply includes	4 mounting brackets Installation and Short User's Guide Connection cable Temperature sensor
Packs of	1 pc(s).
Net weight	0.55 kg
Gross weight	0.66 kg
Customs tariff number	90330090
ETIM 9	EC002627
ECLASS 8.0	27189253
Product description	DK CMC III door control system DCS

Approvals

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

Tender text

7030.500

CMC III Door Control Module

Packs of 1

Compact plastic housing with ventilated front in RAL 9005.

Housing in RAL 7035, Control unit for the automatic door opening system in a rack. In combination with the monitoring system CMC III, the doors of a rack can be opened automatically, e.g. in the event of over-temperature. For the activation of up to two door kits and two door kits extension for LCP. Each solenoid/spindle motor unit can be individually activated by the CMC III Door Control Module. Optionally, an opener input is integrated into every door output and used to connect a door button or a door comfort handle. Alternatively, a CMC III coded lock or a CMC III transponder reader can be connected to the CMC III Door Control Module, to be used to open the door. In addition, the system has a digital input, which can be used to connect a customer-specific system (such as room extinguisher system) for simultaneous opening of all doors and activation of the motors (alarm input). An external temperature sensor can be connected directly to the CMC III Door Control Module.

The unit has two RJ45 connections with an integrated CAN bus. The unit 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 power supply to the electronics is ensured by connection to the CAN bus for the Processing Unit; for the solenoids a separate power pack should be provided; and for the motors a further power pack.

The warning and alarm limit values can be set via the software for the CMC III Processing Unit.

The Door Control Module can alternatively also be used without the CMC III system. In this case the external temperature sensor has to be connected. The temperature limit value for door opening can be set by means of the "C" key at the front of the device. The limit temperature set is indicated by the LEDs on the front.

Technical specifications:

Temperature measuring range: -40°C to 80 °C

Measurement precision: +/- 2 °K between 10 °C and 40 °C

Resolution: 0.1 °K

Jack for temperature sensor: 1

Jack for reader: 1

Digital inputs: 3 (door 1/door 2/alarm input)

Connections - solenoids: 2

Connections - spindle motor: 2

Power supply - solenoids (terminal): 1

Power supply - spindle motors (terminal): 1

CAN bus jacks RJ45: 2

WxHxD: 138 x 40 x 120+12 Front mm

Temperature application range:

0 °C to 55 °C

Humidity range:

5% to 95% relative humidity, non-condensing

Protection category: IP 30 to IEC 60 529

Included in the pack: Unit, temperature probe with 2 m connection cable, quick reference guide, power supply connection cable, side mounting and top rail mounting set