



Connectivity  
CDM / CDM420

CDM420-0105



**Model Name** > **CDM420-0105**  
**Part No.** > **1040002**



*Illustration may differ*

**At a glance**

- Efficient solution to power and connect to SICK’s Auto-ID component portfolio
- Slots for optional fieldbus modules, parameter memory, display and power supply module
- Simple voltage supply of scanner
- IP 65 connection of a scanner using SICK standard cable
- Direct access to the service interface of the sensor
- Connection diagram integrated in lid
- Clearly visible and easily accessible screw/spring-loaded terminals

**Your benefits**

- Easy connection of the sensor to fieldbus systems
- Fast exchange of the sensor through parameter memory CMC
- Fast installation and easy networking save time
- Simple troubleshooting
- Easy diagnosis via optional CMD400 display module



**Features**

Brief description:	Modular connection module for one sensor with pre-mounted CMF400 PROFIBUS module (Interface 9-pin D-sub) and integrated CMC parameter cloning module
Supported products:	CLV42x, CLV43x, CLV44x, CLV45x, CLV62x, CLV63x, CLV64x, CLV65x, ICR84x-2, ICR85x-2
Supports cloning module (CMC):	Yes
Supports display module (CMD):	Yes
Supports power supply module (CMP):	Yes
Supports fieldbus gateway (CMF):	Integrated (PROFIBUS DP)

**Interfaces**

Serial (RS-232, RS-422/485):	✓
Remark (Serial (RS-232, RS-422/485)):	Depending on sensor connected
Ethernet:	✓
Remark (Ethernet):	Corresponding CMF fieldbus gateway additionally necessary
CAN bus:	✓
Remark (CAN bus):	Depending on sensor connected
PROFIBUS DP:	✓
DeviceNet:	✓
Remark (DeviceNet):	Corresponding CMF fieldbus gateway additionally necessary

Switching inputs:	Depending on sensor connected
Switching outputs:	Depending on sensor connected
Optical indicators:	5 LED
Remark (PROFIBUS DP):	CMF400 PROFIBUS-Gateway already integrated

### **Mechanics/electronics**

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Power consumption:	Power consumption of the sensor + 1 W
Housing:	Polycarbonat
Enclosure rating:	IP 65 (DIN 40 050) <sup>1)</sup>
Protection class:	III (VDE 0106)
Weight:	800 g
Dimensions:	192 mm x 167 mm x 70 mm
Housing color:	Blue (RAL 5012)
Scanner connection:	15-pin D-Sub HD socket
Service plug:	9-pin D-Sub plug (internal)

<sup>1)</sup> When using a SICK scanner standard connecting cable

### **Ambient data**

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Ambient operating temperature:	0 °C ... 40 °C
Storage temperature:	-20 °C ... 70 °C
Permissible relative humidity:	± 90 %, non-condensing

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