



## Connectivity CDM / CDM420

CDM420-0006



**Model Name** > [CDM420-0006](#)  
**Part No.** > [1058634](#)



#### 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, 2 A fuse |
| Supported products:                 | CLV69x, RFU63x                                     |
| Supports cloning module (CMC):      | Yes                                                |
| Supports display module (CMD):      | Yes                                                |
| Supports power supply module (CMP): | Yes                                                |
| Supports fieldbus gateway (CMF):    | Yes (PROFIBUS DP, Ethernet, DeviceNet)             |

#### Interfaces

|                                       |                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------|
| Serial (RS-232, RS-422/485):          | ✓                                                                                        |
| Remark (Serial (RS-232, RS-422/485)): | Depending on sensor connected                                                            |
| Ethernet:                             | ✓                                                                                        |
| Remark (Ethernet):                    | Depending on Sensor connected; 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): | Corresponding CMF fieldbus gateway additionally necessary |

#### **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: | -35 °C ... 40 °C       |
| Storage temperature:           | -35 °C ... 70 °C       |
| Permissible relative humidity: | ± 90 %, non-condensing |

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