



Connectivity
CDM / CDM420

CDM420-0004



Model Name > [CDM420-0004](#)
Part No. > [1028487](#)



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 two sensors |
| Supported products: | CLV42x, CLV43x, CLV44x, CLV45x, CLV62x, CLV63x, CLV64x, CLV65x, ICR84x-2, ICR85x-2, IDM12x, IDM14x, IDM16x, IDM24x, IDM26x, Lector@62x, RFH620 |
| 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 |
| Configuration software: | SOPAS ET |

Mechanics/electronics

| | |
|---------------------|---------------------------------------|
| Power consumption: | Power consumption of the sensor + 1 W |
| Housing: | Polycarbonat |
| Enclosure rating: | IP 65 (DIN 40 050) ¹⁾ |
| 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) |

¹⁾ When using a SICK scanner standard connecting cable

Ambient data

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

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