



## Connectivity CDF600

CDF600-0100



**Model Name** > CDF600-0100  
**Part No.** > 1041251



#### At a glance

- Simple mounting saves time on installation, commissioning, and provides flexibility for different application environments
- All electrical connections are pluggable
- Three rotary switches for setting the PROFIBUS addresses or PROFIBUS mode
- Integrated parameter storage
- 6 LEDs for status and error display
- Integrated CAN interface

#### Your benefits

- A two-screw system makes mounting quick and easy
- Electrical installation is quick since all connections are established with plugs
- Auto detect: Sensor and CDF600 detect each other automatically
- Quick sensor exchange due to integrated parameter memory
- Small size and simple setup enables fast installation, even in compact machines
- Easy diagnosis via 6 LEDs



#### Features

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Brief description:               | Fieldbus proxy/gateway to connect to a PROFIBUS network |
| Supported products:              | CLV62x, CLV63x, CLV64x, CLV65x, RFH620                  |
| Supports cloning module (CMC):   | Integrated                                              |
| Supports fieldbus gateway (CMF): | Integrated (PROFIBUS DP)                                |

#### Interfaces

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| Serial (RS-232):                          | ✓                                    |
| Function (Serial (RS-232)):               | AUX                                  |
| Data transmission rate (Serial (RS-232)): | 57.6 kBaud                           |
| Ethernet:                                 | -                                    |
| CAN bus:                                  | ✓                                    |
| Remark (CAN bus):                         | Depending on sensor connected        |
| PROFIBUS DP:                              | ✓                                    |
| Function (PROFIBUS DP):                   | Slave                                |
| Data transmission rate (PROFIBUS DP):     | 9.6 kbit/s ... 12 Mbit/s, autodetect |
| DeviceNet:                                | -                                    |
| Switching inputs:                         | 2                                    |
| Switching outputs:                        | 2                                    |
| Optical indicators:                       | 6 LED                                |

## Mechanics/electronics

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|                        |                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical connection: | 1 x 15-pin D Sub HD socket (DEVICE)<br>3 x 5-pin M12 socket (IN 1, IN 2, OUT 1/2)<br>1 x 5-pin M12 socket (PROFIBUS OUT)<br>1 x 5-pin M12 plug (PROFIBUS IN)<br>1 x 5-pin M12 plug (POWER)<br>1 x 4-pin M8 socket (AUX) |
| Operating voltage:     | 18 V DC ... 30 V DC                                                                                                                                                                                                     |
| Power consumption:     | 7 W, if no sensor is connected and digital switching inputs and outputs are not connected                                                                                                                               |
| Housing:               | Die-cast aluminum                                                                                                                                                                                                       |
| Enclosure rating:      | IP 65 (DIN 40 050) <sup>1)</sup>                                                                                                                                                                                        |
| Protection class:      | III                                                                                                                                                                                                                     |
| Weight:                | 590 g                                                                                                                                                                                                                   |
| Dimensions:            | 225 mm x 76.5 mm x 47 mm <sup>2)</sup>                                                                                                                                                                                  |
| Housing color:         | Light blue (RAL 5012)                                                                                                                                                                                                   |
| Scanner connection:    | RS-232                                                                                                                                                                                                                  |

<sup>1)</sup> When using a SICK scanner standard connecting cable    <sup>2)</sup> Without plugged-in connections

## Ambient data

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|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Electromagnetic compatibility (EMC): | EN 61000-6-4 (2007-01)/EN 61000-6-2:2005 |
| Vibration resistance:                | EN 60068-2-6 (1995)                      |
| Shock resistance:                    | EN 60068-2-27 (1993)                     |
| Ambient operating temperature:       | -35 °C ... 50 °C                         |
| Storage temperature:                 | -35 °C ... 70 °C                         |
| Permissible relative humidity:       | ± 90 %, non-condensing                   |

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