



# CDF

Easy fieldbus integration

**SICK**  
Sensor Intelligence.



## Product description

The fieldbus modules of the connection device fieldbus (CDF) product family allow for fast and simple integration of 4D*pro* identification sensors into industrial networks. Different variants are available with different fieldbus interfaces. The external connection module can be assembled on all industry-standard profiles, leaving the status LEDs clearly visible for effective diagnostics. Bus address and operating mode can be set directly on the module using rotary encoding switches without the use of configuration software. While the CDF can be integrated at an easily accessible point in the conveying equipment, the 4D*pro* sensor (e.g. the CLV615-F), which is connected with only one cable, enables mounting deep in the system.

## At a glance

- Flexible mounting on all standard profiles
- Flexible fieldbus connection for PROFIBUS DP, PROFINET and EtherCAT (type-dependent)
- Encoding switch for setting bus address and operating mode (type-dependent)
- LEDs for status and diagnostics
- Plug-in electrical connections
- Integrated parameter memory for connected sensors
- Compact and flexible

## Your benefits

- Sophisticated screw system for quick, flexible mounting on all common profiles
- Choice of different variants for connecting to industrial fieldbuses
- Encoding switch easily accessible from the outside for easy setting of bus address and operating mode without complex software
- Status LEDs can be read from any angle for simple and effective diagnostics (type-dependent)
- Fast installation and easy replacement in the system thanks to plug-in connections
- Integrated memory for all parameters of the connected sensor for very fast replacement time in case of faults
- Compact and rugged design with choice of horizontal or vertical cable direction (type-dependent)

## Fields of application

- Integration of 4D*pro* sensors into fieldbus networks
- Storage and conveyor technology
- Consumer goods
- Automobiles
- Mechanical engineering

## Ordering information

Other models and accessories → [www.sick.com/CDF](http://www.sick.com/CDF)

Communication interface	Communication Interface detail	Operating voltage	Supported products	Type	Part no.
PROFINET, Serial	RS-232, RS-232	10 V DC 30 V DC	Lector series, CLV61x - CLV65x, CLV69x, RFID read/write device, Mobile handheld scanners	CDF600-2201	1063390
PROFINET, Serial, CAN	RS-232, RS-232	10 V DC 30 V DC	Lector series, CLV61x - CLV65x, CLV69x, RFID read/write device, Mobile handheld scanners	CDF600-2200 - V1.x, NetX50	1129242
				CDF600-2200 - V2.x, NetX51	1062460
Serial, CAN, EtherCAT®	RS-232	18 V DC 30 V DC	CLV61x - CLV65x, Mobile handheld scanners, RFH6xx, RFU62x, Lector62x	CDF600-0300	1052291
Serial, CAN, PROFIBUS DP	RS-232, DPV0, DPV0	10 V DC 30 V DC	Lector series, CLV61x - CLV65x, CLV69x, RFID read/write device, Mobile handheld scanners	CDF600-2100	1058965
				CDF600-2103	1058966

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is “Sensor Intelligence.”**

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)