



# CDF600-2200

CDF

4DPROCONNECTIVITY

**SICK**  
Sensor Intelligence.



## Ordering information

Type	Part no.
CDF600-2200	1062460

Please note that for installation of new hardware with firmware V2.01, new GSD files (min V2.00) are recommended and available under "Downloads". It is also possible to use old GSD files for installation of new hardware. Do not use new GSD files (min V2.00) for installations with old hardware. You can find information on the device and software releases in the SICK SupportPortal. You must register before logging in.

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

## Detailed technical data

### Features

<b>Brief description</b>	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x M12, female connector/female connector, 4-pin)
<b>Supported products</b>	Lector series CLV61x - CLV65x CLV69x RFID read/write device Mobile handheld scanners
<b>Cloning module support (CMC)</b>	Integrated
<b>Supports display module (CMD)</b>	No
<b>Supports power supply module (CMP)</b>	No
<b>Supports fieldbus gateway (CMF)</b>	No

### Mechanics/electronics

<b>Supply voltage</b>	(10 V DC ... 30 V DC)
<b>Power consumption</b>	< 5 W, if no sensor is connected and the digital input is not connected
<b>Housing</b>	Aluminum (unpainted)
<b>Enclosure rating</b>	IP65
<b>Protection class</b>	III
<b>Weight</b>	+ 361 g
<b>Dimensions (L x W x H)</b>	207 mm x 49.5 mm x 40.7 mm
<b>Scanner connection</b>	RS-232

### Interfaces

<b>PROFINET</b>		✓, RS-232
	Remark	Depending on sensor connected
	Function	PROFINET Dual Port
	Data transmission rate	57.6 kBaud, 2-port Ethernet in accordance with IEEE 802.3 (baud rate 100 MBit/s, full-duplex transmission, 2-port switch, auto-negotiation, auto-crossover). Maximum data length is limited by the mode of communication (fragmentation protocol) to 4,000 bytes.
<b>Serial</b>		✓, RS-232
	Function	Service interface
	Data transmission rate	57.6 kBaud
<b>CAN</b>		✓
	Remark	Depending on sensor connected

<b>Digital inputs</b>	1
<b>Digital outputs</b>	0
<b>Optical indicators</b>	6 LEDs
<b>Configuration software</b>	SOPAS ET

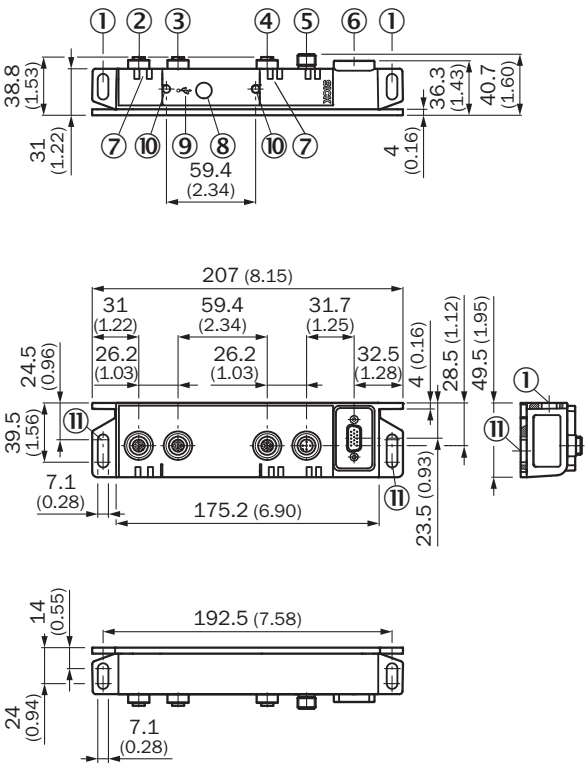
#### Ambient data

<b>Electromagnetic compatibility (EMC)</b>	EN 61000-6-3/A1:2011-03 / EN 61000-6-2:2005-08
<b>Vibration resistance</b>	EN 60068-2-6:2008-02
<b>Shock resistance</b>	EN 60068-2-27:2009-05
<b>Ambient operating temperature</b>	-35 °C ... +50 °C
<b>Storage temperature</b>	-35 °C ... +70 °C
<b>Permissible relative humidity</b>	< 90 %, Non-condensing

#### Classifications

<b>ECLASS 5.0</b>	27242208
<b>ECLASS 5.1.4</b>	27242608
<b>ECLASS 6.0</b>	27242608
<b>ECLASS 6.2</b>	27242608
<b>ECLASS 7.0</b>	27242608
<b>ECLASS 8.0</b>	27242608
<b>ECLASS 8.1</b>	27242608
<b>ECLASS 9.0</b>	27242608
<b>ECLASS 10.0</b>	27242608
<b>ECLASS 11.0</b>	27242608
<b>ECLASS 12.0</b>	27242608
<b>ETIM 5.0</b>	EC001604
<b>ETIM 6.0</b>	EC001604
<b>ETIM 7.0</b>	EC001604
<b>ETIM 8.0</b>	EC001604
<b>UNSPSC 16.0901</b>	32151705


Dimensional drawing (Dimensions in mm (inch))








- ① Elongated mounting hole (2 x), for mounting with M6 screw
- ② "PROFINET P2" connection, 4-pin M12 socket, D-coded
- ③ "PROFINET P1" connection, 4-pin M12 female connector, D-coded
- ④ "EXT. IN 1" connection, 5-pin M12 female connector, A-coded
- ⑤ "POWER" connection, 5-pin M12 plug, A-coded
- ⑥ "DEVICE" connection, 15-pin D-sub HD female connector with seal
- ⑦ LED (6 x), status display (POWER, EXT. IN 1, SF, BF, P1 LNK/ACT, P2 LNK/ACT)
- ⑧ Rotary encoding switch „Mode“, for operating mode, behind screw-mounted cover
- ⑨ "USB" connection, 5-pin micro-B socket, for configuration/diagnostics, behind screw-mounted cover
- ⑩ Screw (Torx T8), captive (2 x), for cover
- ⑪ Elongated mounting hole (2 x), for mounting with M6 screw

Recommended accessories

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

	Brief description	Type	Part no.
Others			
	<ul style="list-style-type: none"><li>• <b>Connection type head A:</b> Male connector, Micro-B, 4-pin, straight</li><li>• <b>Connection type head B:</b> Male connector, USB-A, 4-pin, straight</li><li>• <b>Signal type:</b> USB 2.0</li><li>• <b>Cable:</b> 2 m, 4-wire</li><li>• <b>Description:</b> USB 2.0, unshielded</li></ul>	USB cable	6036106

	Brief description	Type	Part no.
	<ul style="list-style-type: none"> <li><b>Connection type head A:</b> Female connector, M12, 5-pin, straight, A-coded</li> <li><b>Connection type head B:</b> Flying leads</li> <li><b>Signal type:</b> Sensor/actuator cable</li> <li><b>Cable:</b> 5 m, 5-wire, PUR, halogen-free</li> <li><b>Description:</b> Sensor/actuator cable, shielded</li> <li><b>Application:</b> Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation</li> </ul>	YF2A25-050UB6XLEAX	2095733
	<ul style="list-style-type: none"> <li><b>Connection type head A:</b> Male connector, M12, 4-pin, straight, D-coded</li> <li><b>Connection type head B:</b> Male connector, M12, 4-pin, straight, D-coded</li> <li><b>Signal type:</b> Ethernet, PROFINET</li> <li><b>Cable:</b> 2 m, 4-wire, PUR, halogen-free</li> <li><b>Description:</b> Ethernet, shieldedPROFINET</li> <li><b>Application:</b> Drag chain operation, Zones with oils and lubricants</li> </ul>	YM2D24-020PN1M2D24	2106159
	<ul style="list-style-type: none"> <li><b>Connection type head A:</b> Female connector, M12, 5-pin, straight, A-coded</li> <li><b>Connection type head B:</b> Flying leads</li> <li><b>Signal type:</b> Sensor/actuator cable</li> <li><b>Cable:</b> 2 m, 5-wire, PUR, halogen-free</li> <li><b>Description:</b> Sensor/actuator cable, shielded</li> <li><b>Application:</b> Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation</li> </ul>	YF2A25-020UB6XLEAX	2145583
	<ul style="list-style-type: none"> <li><b>Connection type head A:</b> Female connector, M12, 5-pin, straight, A-coded</li> <li><b>Connection type head B:</b> Flying leads</li> <li><b>Signal type:</b> Sensor/actuator cable</li> <li><b>Cable:</b> 1 m, 5-wire, PUR, halogen-free</li> <li><b>Description:</b> Sensor/actuator cable, shielded</li> <li><b>Application:</b> Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation</li> </ul>	YF2A25-010UB6XLEAX	2145582
	<ul style="list-style-type: none"> <li><b>Connection type head A:</b> Female connector, M12, 5-pin, straight, A-coded</li> <li><b>Connection type head B:</b> Flying leads</li> <li><b>Signal type:</b> Sensor/actuator cable</li> <li><b>Cable:</b> 0.6 m, 5-wire, PUR, halogen-free</li> <li><b>Description:</b> Sensor/actuator cable, shielded</li> <li><b>Application:</b> Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation</li> </ul>	YF2A25-C60UB6XLEAX	2145581

## 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)