



CDF600-0100

CDF

NETWORK DEVICES

SICK
Sensor Intelligence.



Ordering information

Type	part no.
CDF600-0100	1041251

Other models and accessories → www.sick.com/CDF

Detailed technical data

Features

Brief description	Fieldbus proxy/gateway for connecting a sensor to PROFIBUS networks
Supported products	CLV61x - CLV65x, RFH620
Cloning module support (CMC)	Integrated
Supports display module (CMD)	No
Supports power supply module (CMP)	No
Supports fieldbus gateway (CMF)	No

Interfaces

Serial	✓, RS-232
Remark	Depending on sensor connected
CAN	
Remark	Depending on sensor connected
PROFIBUS DP	✓
Function	Slave
Data transmission rate	9.6 kbit/s ... 12 Mbit/s, automatic detection
Switching inputs	2
Switching outputs	2
Optical indicators	6 LED
Configuration software	SOPAS ET

Mechanics/electronics

Electrical connection	1 x 15-pin D Sub HD female connector (DEVICE) 3 x 5-pin M12 female connector (IN 1, IN 2, OUT 1/2) 1 x 5-pin M12 female connector (PROFIBUS OUT) 1 x 5-pin M12 male connector (PROFIBUS IN) 1 x 5-pin M12 male connector (POWER) 1 x 4-pin M8 female connector (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	Aluminum die cast
Housing color	Light blue (RAL 5012)
Enclosure rating	IP65 (DIN 40 050) ¹⁾
Protection class	III

¹⁾ When using a standard connection cable for scanners by SICK.

²⁾ Without plugged-in connections.

Weight	590 g
Dimensions (L x W x H)	225 mm x 76.5 mm x 47 mm ²⁾
Scanner connection	RS-232

¹⁾ When using a standard connection cable for scanners by SICK.

²⁾ Without plugged-in connections.

Ambient data







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

Classifications

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

Recommended accessories

Other models and accessories → www.sick.com/CDF

	Brief description	Type	part no.
connectors and cables			
	<ul style="list-style-type: none"> • Connection type head A: Flying leads • Connection type head B: Flying leads • Signal type: PROFIBUS DP • Items supplied: By the meter • Cable: 2-wire, PUR • Description: PROFIBUS DP, shielded 	LTG-2102-MW	6021355
	<ul style="list-style-type: none"> • Connection type head A: Male connector, Micro-B, 4-pin, straight • Connection type head B: Male connector, USB-A, 4-pin, straight • Signal type: USB 2.0 • Cable: 2 m, 4-wire • Description: USB 2.0, unshielded 	USB cable	6036106
	<ul style="list-style-type: none"> • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Flying leads • Signal type: Sensor/actuator cable • Cable: 5 m, 5-wire, PUR, halogen-free • Description: Sensor/actuator cable, shielded • Application: Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation 	YF2A25-050UB6XLEAX	2095733
	<ul style="list-style-type: none"> • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Flying leads • Signal type: Sensor/actuator cable • Cable: 2 m, 5-wire, PUR, halogen-free • Description: Sensor/actuator cable, shielded • Application: Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation 	YF2A25-020UB6XLEAX	2145583
	<ul style="list-style-type: none"> • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Flying leads • Signal type: Sensor/actuator cable • Cable: 1 m, 5-wire, PUR, halogen-free • Description: Sensor/actuator cable, shielded • Application: Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation 	YF2A25-010UB6XLEAX	2145582
	<ul style="list-style-type: none"> • Connection type head A: Female connector, M12, 5-pin, straight, A-coded • Connection type head B: Flying leads • Signal type: Sensor/actuator cable • Cable: 0.6 m, 5-wire, PUR, halogen-free • Description: Sensor/actuator cable, shielded • Application: Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation 	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