Online data sheet

CDM420-0105

CDM

CONNECTIVITY

SICK
Sensor Intelligence.

Illustration may differ

Ordering information

Type	Part no.
CDM420-0105	1040002

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

Detailed technical data

Features

Brief description	Modular connection module for one sensor with pre-mounted CMF400 PROFIBUS module (Interface 9-pin D-sub) and integrated CMC parameter cloning module
Supported products	CLV61x - CLV65x
Cloning module support (CMC)	Yes
Supports display module (CMD)	Yes
Supports power supply module (CMP)	Yes
Supports fieldbus gateway (CMF)	Integrated (PROFIBUS DP)

Interfaces

Ethernet	✓, TCP/IP
Remark	Corresponding CMF fieldbus gateway additionally necessary
Serial	✓, RS-232, RS-422, RS-485
Remark	Depending on sensor connected
CAN	✓
Remark	Depending on sensor connected
PROFIBUS DP	✓
Remark	CMF400 PROFIBUS-Gateway already integrated
DeviceNet™	✓
Remark	Corresponding CMF fieldbus gateway additionally necessary
Switching inputs	Depending on sensor connected
Switching outputs	Depending on sensor connected
Optical indicators	5 LED
Configuration software	SOPAS ET

Mechanics/electronics

Power consumption	Power consumption of the sensor + 0.5 W
Housing	Polycarbonat
Housing color	Blue (RAL 5012)

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

Enclosure rating	IP65 [1]
Protection class	III
Weight	800 g
Dimensions (L x W x H)	192 mm x 167 mm x 70 mm
Scanner connection	15-pin D-Sub HD female connector
Service plug	9-pin D-Sub plug (internal)

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

Ambient data

Ambient operating temperature	0 °C ... +40 °C
Storage temperature	–20 °C ... +70 °C
Permissible relative humidity	< 90 %, Non-condensing

Classifications

ECl@ss 5.0	27242208
ECl@ss 5.1.4	27242608
ECl@ss 6.0	27242608
ECl@ss 6.2	27242608
ECl@ss 7.0	27242608
ECl@ss 8.0	27242608
ECl@ss 8.1	27242608
ECl@ss 9.0	27242608
ETIM 5.0	EC001604
ETIM 6.0	EC001604
UNSPSC 16.0901	32151705

Recommended accessories

Other models and accessories ➜ www.sick.com/CDM

	Brief description	Type	Part no.
Plug connectors and cables			
	Head A: female connector, D-Sub, 9-pin, straight Head B: female connector, D-Sub, 9-pin, straight Cable: serial, unshielded, 3 m For PC connection	Data connection cable (RS-232) to PC	2014054
	Head A: female connector, M12, 17-pin, straight Head B: male connector, D-Sub-HD, 15-pin, straight Cable: Power, serial, CAN, digital I/Os, shielded, 3 m	Connection cable (male connector - female connector)	2055420
	Head A: female connector, M12, 12-pin, straight Head B: male connector, D-Sub-HD, 15-pin, straight Cable: Power, serial, CAN, digital I/Os, shielded, 3 m	Connection cable (male connector - female connector)	2042914

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

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