CDE100

NETWORK DEVICES

SICK
Sensor Intelligence.

Ordering information

Type	part no.
CDE100	1134028

Other models and accessories ➔ www.sick.com/CDE100

Detailed technical data

Mechanics/electronics

Supply voltage	(9 V DC ... 32 V DC)
Power consumption	1.8 W
Housing	Aluminum
Enclosure rating	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013)
Protection class	Protection class III (IEC 61140:2016-1)
Weight	75 g
Dimensions (L x W x H)	25.4 mm x 104 mm x 25.4 mm

Performance

Operating system	FreeRTOS
Interface	SOPASair REST API
Required disk space	2 MB
Processor	STM32F4 ARM Cortex-M4 180MHz
Data protocol	Binary or ASCII

Interfaces

Ethernet	
Data transmission rate	10/100 MBit/s, adjustable
CAN bus	
Data transmission rate	1 Mbit/s
Optical indicators	5 LEDs (Status display)
Configuration interface	REST API Web-Interface

Ambient data

Electromagnetic compatibility (EMC)	IEC 61000-6-3:2020 / EN IEC 61000-6-2:2019 / IEC 61000-6-2:2016 / IEC 61000-6-2:2005
Vibration resistance	IEC 60068-2-6 / IEC 60068-2-64
Shock resistance	IEC 60068-2-27
Product safety	IEC 61010-1:2010 + AMD1:2016 + A1:2019
Photobiological safety	IEC 62471-1 2007
Ambient operating temperature	–40 °C ... +60 °C
Storage temperature	–40 °C ... +85 °C

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓

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

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**

SICK AG | Waldkirch | Germany | www.sick.com

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