



DATA SHEET

CDE100

Network devices



NETWORK DEVICES

CDE100

ORDERING INFORMATION

Type	part no.
CDE100	1134028

Further device versions and accessories at 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	✓

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1134028



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SICK AT A GLANCE

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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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