CDE50-01421

CDE50

JUNCTION BOXES

SICK
Sensor Intelligence.

Ordering information

Type	part no.
CDE50-01421	1111887

Other models and accessories ➔ www.sick.com/CDE50

Detailed technical data

Features

Brief description	Connection of a SICK sensor in a Power-over-Ethernet (PoE) environment. Splitting of PoE signal into 24 volt supply voltage and Ethernet.
Application	Indoor
Supported products	CLV62x [1] CLV63x [1] CLV64x [1] CLV65x [1] CLV69x [1] Lector series RFID read/write device

[1] Functionality of the signal LEDs in the housing cover only available for products with 17-pin M12 male connector.

Mechanics/electronics

Connection type	1 x "DEVICE" connection, 15-pin D-Sub HD female connector ([1]) 1 x "Ethernet" connection, 8-pin RJ45 female connector 1 x "PoE IN" connection, 8-pin RJ45 female connector 1 x "I/O" connection, 5-pin M12 female connector, A-coded
Supply voltage	48 V DC (42 V DC ... 57 V DC)
Power consumption	< 4 W, If no devices are connected and without control of the signal LEDs
Power output	21.5 W, Without operation of signal LEDs 19.5 W, During operation of a signal LED 17.5 W, During simultaneous operation of both signal LEDs
Housing	Aluminum, polypropylene
Enclosure rating	IP20
Protection class	III
Weight	265 g
Dimensions (L x W x H)	138 mm x 94 mm x 35 mm

[1] Maximum length of cable: 100 m .

Interfaces

Ethernet	
Function	PoE IN: Power-over-Ethernet ETHERNET: Ethernet
Data transmission rate	10/100 MBit/s
Digital inputs	1

Digital outputs	2
Optical indicators	LEDs (In cap)

Ambient data

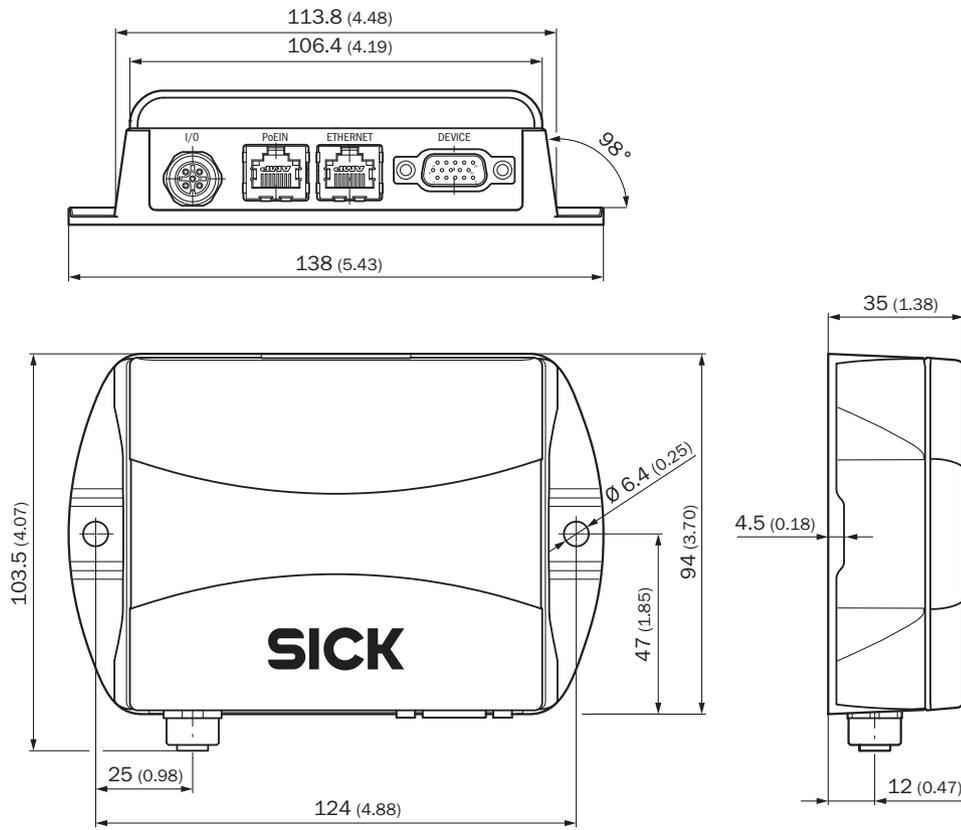| Electromagnetic compatibility (EMC)	IEC 61000-6-2:2016-08 / IEC 61000-6-4:2018-02
Vibration resistance	EN 60068-2-6:2008-02
Ambient operating temperature	–40 °C ... +45 °C
Storage temperature	–40 °C ... +70 °C
Permissible relative humidity	< 90 %, Non-condensing

Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA 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

Dimensional drawing

Dimensions in mm (inch)

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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