

CLV650-0000 CLV65x

**FIXED MOUNT BAR CODE SCANNERS** 

**SICK**Sensor Intelligence.



# Ordering information

Туре	Part no.
CLV650-0000	1041290

Other models and accessories → www.sick.com/CLV65x



#### Detailed technical data

# **Features**

Version	Standard Density
Connection type	Cable
Reading field	Front
Scanning method	Line scanner
Optical focus	Auto focus
Light source	
Light spot	Laser, Visible, Red, 658 nm
Laser class	2 (IEC 60825-1:2014, EN 60825-1:2014)
Aperture angle	≤ 50°
Scanning frequency	600 Hz 1,000 Hz
Code resolution	0.25 mm 1 mm
Reading distance	140 mm 1,625 mm <sup>1)</sup>

 $<sup>^{1)}</sup>$  For details see reading field diagram.

# Mechanics/electronics

Connection type	1 x 15-pin D-Sub HD male connector (0.9 m)
Supply voltage	18 V DC 30 V DC
Power consumption	8.5 W
Housing	Aluminum die cast
Housing color	Light blue (RAL 5012)
Front screen	Glass
Enclosure rating	IP65 (EN 60529)
Protection class	III (EN 61140)
Weight	320 g, with connecting cable
Dimensions (L x W x H)	61 mm x 96 mm x 38 mm
MTBF	100,000 h

# Performance

Readable code structures	1D codes
Bar code types	All current code types, Code 39, Code 128, Code 93, Codabar, GS1-128 / EAN 128, UPC / GTIN / EAN, Interleaved 2 of 5, Pharmacode, GS1 DataBar, Telepen, MSI/Plessey
Print ratio	2:1 3:1
No. of codes per scan	1 20 (Standard decoder) 1 6 (SMART decoder)
No. of codes per reading interval	1 50 (auto-discriminating)
No. of characters per reading interval	5,000 500 (for multiplexer function in CAN operation)
No. of multiple readings	199

# Interfaces

Type of fieldbus integration Function Function Function Function Function Type of fieldbus integration Optional over external fieldbus module CDF600 Formal Function Function Function Data transmission rate Function Data transmission rate CAN Function Data transmission rate Data transmission rate CON Function Data transmission rate CON Function Data transmission rate Data transmission rate CON Function CON Functi	PROFINET		<b>✓</b>
Function  Type of fieldbus integration  Type of fieldbus integration  Serial  Type of fieldbus integration  Data transmission rate  Data transmission rate  CAN  Data transmission rate  Doptional over external fieldbus module CDF600-2   PROFIBUS DP  Type of fieldbus integration  Digital inputs  Digital inputs  Digital outputs  A ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital indicators  Reading pulse  Optional over external connection module CDM + CMF  A ("Sensor 1", "Sensor 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Optical indicators  6 LEDs (Ready) , Result , Iaser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Control elements  Control elements  Configuration software  PROFINET Dual Prof.  Optional over external fieldbus module CDF600-2   V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module CDF600-2  V  Optional over external fieldbus module	PROFINEI	The set Calabara in the secution	
Type of fieldbus integration Serial  Type of fieldbus integration Serial  Function Data transmission rate CAN  Function Data transmission rate  CAN  Data transmission rate  CAN  Function Data transmission rate  CAN  Data transmission rate  CAN  Data transmission rate  CAN  Data transmission rate  CON  Data transmission rate  CON  Data transmission rate  Data transmission rate  CON  Data transmission rate  Data transmission rate  CON  Data transmission rate  Doublet manamission rate  Type of fieldbus integration  DeviceNet <sup>™</sup> Type of fieldbus integration  Digital inputs  Digital inputs  Digital inputs  Digital outputs  COM420)  CDM420)  Digital indicators  Gedeating pulse  Optional over external fieldbus module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)  Digital inputs via optional parameter storage CMC600 in CDB620/ CDM420)  Reading pulse  Optical indicators  Gedeating pulse  Optical indicators  Gedeating pulse  Optical indicators  Gedeating pulse  Optical indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software  Optional over external fieldbus module CDF600-2  Jest indicators  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)  A ("Ready)  Result  Laser  Data  CAN  LIN TX  Bar graph for displaying the reading rate percentage (10 LEDs)  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software			
Type of fieldbus integration Serial  Function Function Data transmission rate  CAN  Digital inputs  DeviceNet™  Type of fieldbus integration  Digital inputs  Digital inputs  A ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital outputs  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Besult 1", "Result 2", 2 inputs via optional		Function	
Function Data transmission rate  CAN Data transmission rate  CANopen Data transmission rate Data transmission rate  CANopen Data transmission rate  CANopen Data transmission rate  PROFIBUS DP Type of fieldbus integration Type of fieldbus integration Digital inputs  CDEVICENET*  A ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital outputs  Reading pulse  Digital indicators  Reading pulse  Doptical indicators  B ELDS (Ready) Result Isser Data CAN LINK TX Bar graph for displaying the reading rate percentage (10 LEDs)  Reconfiguration software  SOPAS ET	EtherCAT®		
Function Data transmission rate  CAN Function Data transmission rate  CAN Function Data transmission rate  CANopen Data transmission rate  CONDITION Type of fieldbus integration Digital inputs  Digital inputs  Digital outputs  Digital outputs  CDM420)  Digital outputs  CDM420  Digital indicators  Gentical indicators  Acoustic indicators  Control elements  Configuration software  Data transmission rate 2,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)  Albau 115.2 kBaud, AUX: 57.6 kBaud (RS-232)  Albau 115.2 kBaud 115.		Type of fieldbus integration	
CAN  Function Data transmission rate  CANopen  Data transmission rate  CANopen  Data transmission rate  ✓  Optional over external fieldbus module CDF600-2  ✓  Optional over external connection module CDM + CMF  Digital inputs  Digital inputs  Digital outputs  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  CDM420)  Reading pulse  Digital indicators  G LEDs (Ready) , Result , laser , Data , CAN , LINK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Control elements  Configuration software  Data TLINET SI A (CAN be switched off, can be allocated as a result indication function)  SOPAS ET	Serial		✓, RS-232, RS-422, RS-485
Function Data transmission rate  CANopen Data transmission rate  CANopen Data transmission rate  Doptical inputs  Digital outputs  Reading pulse  Optical indicators  Acoustic indicators  Description  Function  Function  SICK CAN sensor network CSN (master/slave, multiplexer/server)  20 kbit/s 1 Mbit/s     Optional over external connection module CDF600-2     Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  CDM420)  Digital outputs  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Optical indicators  6 LEDs (Ready)  Result  Laser  Data  CAN  LNK TX  Bar graph for displaying the reading rate percentage (10 LEDs)  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software  SOPAS ET		Function	Host, AUX
Function Data transmission rate  CANopen  Data transmission rate  CANopen  Data transmission rate  Data transmission rate  20 kbit/s 1 Mbit/s   PROFIBUS DP  Type of fieldbus integration  Type of fieldbus integration  Type of fieldbus integration  Type of fieldbus integration  Optional, over external connection module CDF600-2   ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital inputs  ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Optical indicators  (ELEDS (Ready), Result 1, Sensor 2, Data, CAN, LNK TX, Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software  SOPAS ET		Data transmission rate	2,400 Baud 115.2 kBaud, AUX: 57.6 kBaud (RS-232)
Data transmission rate  CANopen  Data transmission rate  20 kbit/s 1 Mbit/s  20 kbit/s 1 Mbit/s  PROFIBUS DP  Type of fieldbus integration  Type of fieldbus integration  Type of fieldbus integration  Optional over external fieldbus module CDF600-2   ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital inputs  A ("Sensor 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  Optical indicators  A (EEDs (Ready), Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Control elements  Control elements  Configuration software  20 kbit/s 1 Mbit/s  A bata , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  2 buttons (choose and start/stop functions)  Configuration software	CAN		✓
Data transmission rate  Type of fieldbus integration  DeviceNet™  Type of fieldbus integration  Digital inputs  Digital inputs  Digital outputs  CDM420)  Digital outputs  CDM420)  Digital outputs  Digital inputs, non-powered, serial interface, auto pulse, CAN  Optical indicators  GLEDs (Ready)  Result  , laser  , Data  , CAN  , LNK TX  , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Control elements  Configuration software  Data (Choose and start/stop functions)  COPAS ET		Function	SICK CAN sensor network CSN (master/slave, multiplexer/server)
Data transmission rate  20 kbit/s 1 Mbit/s  FROFIBUS DP  Type of fieldbus integration  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital outputs  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  Optical indicators  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software  20 kbit/s 1 Mbit/s  Optional over external fieldbus module CDF600-2  ✓  Optional over external fieldbus module CDM + CMF   4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/ CDM420)  Digital inputs  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)  B ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)  B ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420)  Digital inputs  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ CDM420  B ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/ C		Data transmission rate	20 kbit/s 1 Mbit/s
Type of fieldbus integration  DeviceNet™  Type of fieldbus integration  Type of fieldbus integration  Optional, over external fieldbus module CDF600-2  ✓  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  Digital outputs  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  DeviceNet™  Seeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software	CANopen		✓
Type of fieldbus integration  DeviceNet™  Type of fieldbus integration  Digital inputs  Digital outputs  Combination  Optional over external fieldbus module CDF600-2  ✓  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  A ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDS (Ready)  , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  DeviceNet™  Acoustic indicators  DeviceNet™  Seeper/buzzer (can be switched off, can be allocated as a result indication function)  2 buttons (choose and start/stop functions)  Configuration software		Data transmission rate	20 kbit/s 1 Mbit/s
Type of fieldbus integration  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready)  , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Department  Department  Department  Substitution  Department  Department  Substitution  Department  Department  Substitution  Department  Department  Substitution  Department	PROFIBUS DP		✓
Type of fieldbus integration  Optional, over external connection module CDM + CMF  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Deptical indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  2 buttons (choose and start/stop functions)  Configuration software		Type of fieldbus integration	Optional over external fieldbus module CDF600-2
Digital inputs  4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  Configuration software  SOPAS ET	DeviceNet™		<b>√</b>
CDM420)  4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Deeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  2 buttons (choose and start/stop functions)  Configuration software		Type of fieldbus integration	Optional, over external connection module CDM + CMF
CDM420)  Reading pulse  Digital inputs, non-powered, serial interface, auto pulse, CAN  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  2 buttons (choose and start/stop functions)  Configuration software  SOPAS ET	Digital inputs		· · · · · · · · · · · · · · · · · · ·
Optical indicators  6 LEDs (Ready) , Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  2 buttons (choose and start/stop functions)  Configuration software  SOPAS ET	Digital outputs		
, Result , laser , Data , CAN , LNK TX , Bar graph for displaying the reading rate percentage (10 LEDs)  Acoustic indicators  Beeper/buzzer (can be switched off, can be allocated as a result indication function)  Control elements  2 buttons (choose and start/stop functions)  Configuration software  SOPAS ET	Reading pulse		Digital inputs, non-powered, serial interface, auto pulse, CAN
Control elements  2 buttons (choose and start/stop functions)  Configuration software  SOPAS ET	Optical indicators		, Result , laser , Data , CAN , LNK TX
Configuration software SOPAS ET	Acoustic indicators	•	Beeper/buzzer (can be switched off, can be allocated as a result indication function)
	Control elements		2 buttons (choose and start/stop functions)
Memory card (flash card), optional	Configuration soft	vare	SOPAS ET
	Memory card		MicroSD memory card (flash card), optional

# Ambient data

Electromagnetic compatibility (EMC)	EN 61000-6-3 (2001-10) / EN 61000-6-2:2005
Vibration resistance	EN 60068-2-6 (1995)
Ambient operating temperature	0 °C +40 °C
Storage temperature	-20 °C +70 °C
Permissible relative humidity	90 %, Non-condensing
Ambient light immunity	2,000 lx, on bar code
Bar code print contrast (PCS)	≥ 60 %

# General notes

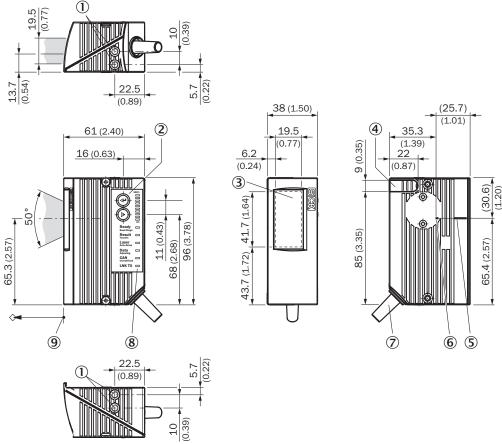
Note on use	For Ethernet connection please use an Ethernet version of CLV6xx
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# Classifications

ECI@ss 5.0	27280102
ECI@ss 5.1.4	27280102
ECI@ss 6.0	27280102
ECI@ss 6.2	27280102
ECI@ss 7.0	27280102
ECI@ss 8.0	27280102
ECI@ss 8.1	27280102
ECI@ss 9.0	27280102
ECI@ss 10.0	27280102
ECI@ss 11.0	27280102
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
UNSPSC 16.0901	43211701

# Dimensional drawing (Dimensions in mm (inch))

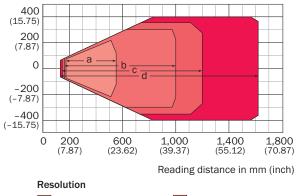
CLV63x/64x/65x Standard, front



- ① Blind hole thread M5, 5 mm deep (2 x), for mounting
- ② Function button (2 x)
- 3 Reading field
- ④ Cover for the microSD memory card
- ⑤ Central position of the deflected laser beam in the V-shaped aperture angle
- ⑥ Internal impact point: rotation point of the variable direction laser beam
- 7 Cable with 15-pin D-sub HD male connector
- 8 LED status indicator (6x) and bar graph
- $\textcircled{9} \ \ \text{Reference point for reading distance (from housing edge to object)}$

# Reading field diagram





a: 0.25 mm (9.8 mil) c: 0.50 mm (19.7 mil)

b: 0.35 mm (13.8 mil) d: 1.00 mm (39.4 mil)

#### Recommended accessories

Other models and accessories → www.sick.com/CLV65x

	Brief description	Туре	Part no.	
Mounting brad	Mounting brackets and plates			
	Hanger-shaped mounting bracket, mounting hardware included	Mounting bracket	2042800	
Modules				
	Small connection module for one sensor, 4 cable glands, base for CMC600	CDB620-001	1042256	
Storage media				
	microSD memory card with 1 GB for industrial use	microSD memory card	4051366	
Modules and gateways				
M 1 mm (	External parameter memory for integration in CDB620/CDB650/CDM42x	CMC600-101	1042259	

# Recommended services

Additional services → www.sick.com/CLV65x

	Туре	Part no.
Warranty extensions		
<ul> <li>Product area: Identification solutions, machine vision, Distance sensors, Detection and ranging solutions</li> <li>Range of services: The services correspond to the scope of the statutory manufacturer warranty (SICK general terms and conditions of purchase)</li> <li>Duration: Five-year warranty from delivery date.</li> </ul>	Extended warranty for a total of five years from delivery date	1680671
Performance check		
<ul> <li>Product area: Fixed mount bar code scanners</li> <li>Range of services: Inspection of defined functions, e.g., reading performance</li> <li>Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses.</li> <li>Duration: Additional work will be invoiced separately</li> </ul>	Performance check CLV4xx/CLV6xx	1682028
Product, system, and software training		
<ul> <li>Range of services: SICK offers training courses for numerous target groups ranging from basic to expert levels, Training format and location can be worked out in collaboration with SICK</li> </ul>	Training for the CLV6 series	1612231
Commissioning		
<ul> <li>Product area: Fixed mount bar code scanners</li> <li>Range of services: Inspection of connection, fine adjustment, optimization of parameters of SICK product as well as tests, Setup of previously defined functions of reading configuration, code configuration, data processing and network, interfaces or inputs and outputs</li> <li>Travel expenses: The prices do not include travel costs such as hotel, flight, travel time and expenses.</li> <li>Duration: Additional work will be invoiced separately</li> </ul>	Commissioning CLV65x CLV69x	1681926
Service packages		
<ul> <li>Range of services: According to the scope defined in the contract, for example extended warranty, repair service, availability guarantee as well as spare parts provided periodically by SICK (bracket with shock absorber), Other possible contractual elements</li> <li>Duration: 3 year duration from delivery date of the initial hardware</li> </ul>	Forklift Package CLV65x for 3 years	1614610
<ul> <li>Range of services: According to the scope defined in the contract, for example extended warranty, repair service, availability guarantee as well as spare parts provided periodically by SICK (bracket with shock absorber), Other possible contractual elements</li> <li>Duration: 5 year duration from delivery date of the initial hardware</li> </ul>	Forklift Package CLV65x für 5 Jahre	1614609

# 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

