

Technical data sheet Stationary bar code reader

Part no.: 50132832

BCL 608i SF 102 H



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Technical data



Functions Functions Alignment mode AutoConfig AutoControl AutoRefiAct Code fragment technology Heating LED indicator Reference code comparison Characteristic parameters MTTF 42.4 years Read data Code types, readable Codabar Code 128 Code 39 Code 39 Code 39 Code 39 EAN 128 EAN 8/13 EAN Addendum GS1 Databar Limited GS1 Databar Datab	Basic data	
Functions Alignment mode AutoConfig AutoControl AutoRefiAct Code fragment technology Heating LED indicator Reference code comparison Characteristic parameters MTTF 42.4 years Read data Code types, readable Code 39 Code 39 Code 39 Code 39 Code 93 EAN 128 EAN 8/13 EAN Addendum GS1 Databar Expanded GS1 Databar Limited GS1 Databar Limited GS1 Databar Omnidirectional UPC Scanning rate, typical Bar codes per reading gate, max. number Optical data Reading distance Light source Laser, Blue Wavelength Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Continuous Usable opening angle (reading field opening) Bar code contrast (PCS) Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Series	BCL 600i
AutoConfig AutoControl AutoRefiAct Code fragment technology Heating LED indicator Reference code comparison Characteristic parameters MTTF 42.4 years Read data Code types, readable 2/5 Interleaved Codabar Code 128 Code 39 Code 93 EAN 128 EAN 8/13 EAN Addendum GS1 Databar Expanded GS1 Databar Limited GS1 Databar UPC Scanning rate, typical 800 scans/s Bar codes per reading gate, max. number Optical data Reading distance 450 1,450 mm Light source Laser, Blue Wavelength 405 mm Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Continuous Usable opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Functions	
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Scanning rate, typical 800 scans/s Bar codes per reading gate, max. number Optical data Reading distance 450 1,450 mm Light source Laser, Blue Wavelength 405 nm Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Continuous Usable opening angle (reading field opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC		GS1 Databar Limited
Scanning rate, typical Bar codes per reading gate, max. number Optical data Reading distance		GS1 Databar Omnidirectional
Bar codes per reading gate, max. number Optical data Reading distance		UPC
number Optical data Reading distance	Scanning rate, typical	800 scans/s
Reading distance 450 1,450 mm Light source Laser, Blue Wavelength 405 nm Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Continuous Usable opening angle (reading field opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC		64 Piece(s)
Light source Wavelength Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Usable opening angle (reading field opening) Bar code contrast (PCS) Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B 10 30 V, DC	Optical data	
Wavelength 405 nm Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Continuous Usable opening angle (reading field opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Reading distance	450 1,450 mm
Laser class 2, IEC/EN 60825-1:2014 Transmitted-signal shape Usable opening angle (reading field opening) Bar code contrast (PCS) Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B 2, IEC/EN 60825-1:2014 Continuous 00 ° 00 ° 01 voltainuous 10 volt	Light source	Laser, Blue
Transmitted-signal shape Usable opening angle (reading field opening) Bar code contrast (PCS) Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B Continuous Continuous Continuous Continuous Polarity reversal protection	Wavelength	405 nm
Usable opening angle (reading field opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Laser class	2, IEC/EN 60825-1:2014
opening) Bar code contrast (PCS) 60 % Modulus size 0.3 0.5 mm Reading method Line scanner Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Transmitted-signal shape	Continuous
Modulus size 0.3 0.5 mm Reading method Line scanner Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B 10 30 V, DC		60 °
Reading method Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B Line scanner Via rotating polygon wheel Front Pront Front 10 30 V, DC	Bar code contrast (PCS)	60 %
Beam deflection Via rotating polygon wheel Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B 10 30 V, DC	Modulus size	0.3 0.5 mm
Light beam exit Front Electrical data Protective circuit Performance data Supply voltage U _B 10 30 V, DC	Reading method	Line scanner
Electrical data Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Beam deflection	Via rotating polygon wheel
Protective circuit Polarity reversal protection Performance data Supply voltage U _B 10 30 V, DC	Light beam exit	Front
Performance data Supply voltage U _B 10 30 V, DC	Electrical data	
Supply voltage U _B 10 30 V, DC	Protective circuit	Polarity reversal protection
_	Performance data	
Power consumption, max. 14 W	Supply voltage U _B	10 30 V, DC
	Power consumption, max.	14 W

Inputs/outputs selectable	
Output current, max.	60 mA
Number of inputs/outputs selectable	
Voltage type, outputs	DC
Switching voltage, outputs	Typ. U _B / 0 V
Voltage type, inputs	DC
Switching voltage, inputs	Typ. U _B / 0 V
Input current, max.	8 mA
Interface	
Туре	Ethernet
Ethernet	
Architecture	Client
	Server
Address assignment	DHCP
ū	Manual address assignment
Transmission speed	10 Mbit/s
	100 Mbit/s
Function	Process
Switch functionality	Integrated
Transmission protocol	TCP/IP
F	
Service interface	
Туре	USB
USB	
Function	Configuration via software
- 4	Service
	0011100
Connection	
	5 Piaca(s)
Connection Number of connections	5 Piece(s)
Number of connections	5 Piece(s)
	5 Piece(s) Service interface
Number of connections Connection 1	
Number of connections Connection 1 Function Type of connection	Service interface
Number of connections Connection 1 Function Type of connection Designation on device	Service interface USB
Number of connections Connection 1 Function Type of connection	Service interface USB SERVICE
Number of connections Connection 1 Function Type of connection Designation on device	Service interface USB SERVICE
Number of connections Connection 1 Function Type of connection Designation on device Connector type	Service interface USB SERVICE
Connection 1 Function Type of connection Designation on device Connector type Connection 2	Service interface USB SERVICE USB 2.0 Standard-A
Connection 1 Function Type of connection Designation on device Connector type Connection 2	Service interface USB SERVICE USB 2.0 Standard-A Signal IN
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Type of connection Designation on device Thread size Type	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function Type of connection	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT Connector
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function Type of connection Designation on device	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT Connector PWR
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function Type of connection	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT Connector
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function Type of connection Designation on device	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT Connector PWR
Connection 1 Function Type of connection Designation on device Connector type Connection 2 Function Type of connection Designation on device Thread size Type Material No. of pins Encoding Connection 3 Function Type of connection Designation on device Thread size	Service interface USB SERVICE USB 2.0 Standard-A Signal IN Signal OUT Connector SW IN/OUT M12 Female Metal 5 -pin A-coded PWR / SW IN / OUT Connector PWR M12

A-coded

Encoding

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Technical data



Connection 4	
Function	BUS IN
Type of connection	Connector
Designation on device	HOST / BUS IN
Thread size	M12
Туре	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded
Connection 5	
Function	BUS OUT
Type of connection	Connector
Designation on device	BUS OUT
Thread size	M12
Туре	Female
No. of pins	4 -pin
No. of pins Mechanical data	4 -pin
•	4 -pin Cubic
Mechanical data	
Mechanical data Design	Cubic
Mechanical data Design Dimension (W x H x L)	Cubic 123.5 mm x 63 mm x 104.2 mm
Mechanical data Design Dimension (W x H x L) Housing material	Cubic 123.5 mm x 63 mm x 104.2 mm Metal
Mechanical data Design Dimension (W x H x L) Housing material Metal housing	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red Silver
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red Silver Dovetail grooves
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color Type of fastening	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red Silver Dovetail grooves Mounting thread
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red Silver Dovetail grooves Mounting thread
Mechanical data Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color Type of fastening	Cubic 123.5 mm x 63 mm x 104.2 mm Metal Diecast aluminum Glass 1,400 g Red Silver Dovetail grooves Mounting thread

Environmental data

Ambient temperature, operation	-35 40 °C
Ambient temperature, storage	-20 70 °C
Relative humidity (non-condensing)	90 %
Extraneous light tolerance on the bar code, max.	2,000 lx

Certifications

Degree of protection	IP 65
Protection class	III
Certifications	c UL US
Test procedure for EMC in accordance	EN 55022
with standard	EN 61000-4-2, -3, -4, -6
	EN 61000-6-2
Test procedure for shock in accordance with standard	IEC 60068-2-27, test Ea
Test procedure for continuous shock in accordance with standard	IEC 60068-2-29, test Eb
Test procedure for vibration in accordance with standard	IEC 60068-2-6, test Fc

Classification

Customs tariff number	84719000
ECLASS 5.1.4	27280102
ECLASS 8.0	27280102
ECLASS 9.0	27280102
ECLASS 10.0	27280102
ECLASS 11.0	27280102
ECLASS 12.0	27280102
ECLASS 13.0	27280102
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550

Monochromatic graphical display, 128x64 pixel, with background lighting

2 Piece(s)

Button(s)

Via web browser

Via service interface

Number of LEDs

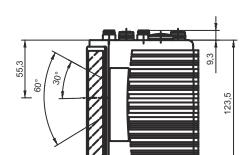
Type of configuration

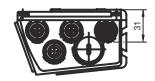
Operational controls

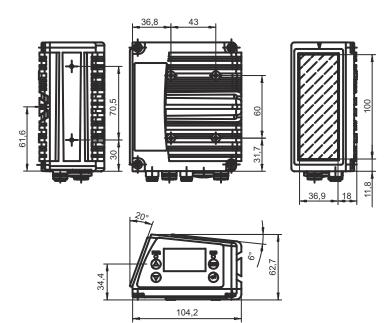
Dimensioned drawings

All dimensions in millimeters









Electrical connection

Connection 1	SERVIC

Function	Service interface
Type of connection	USB
Connector type	USB 2.0 Standard-A

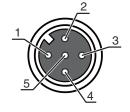
Pin	Pin assignment
1	+5 V DC
2	DATA-
3	DATA+
4	GND





Connection 2	SW IN/OUT
Function	Signal IN
	Signal OUT
Type of connection	Connector
Thread size	M12
Туре	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	VOUT
2	SWIO 1
3	GND
4	SWIO 2
5	FE



Connection 3	PWR

Function	PWR / SW IN / OUT
Type of connection	Connector
Thread size	M12
Туре	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

3 5	<u></u>
4 /	

Pin	Pin assignment		
1	VIN		
2	SWIO 3		
3	GND		
4	SWIO 4		
-	FF		

Connection 4 HOST / BUS IN

Function	BUS IN
Type of connection	Connector
Thread size	M12
Туре	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

_	
1	7
	3

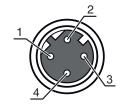
Pin	Pin assignment				
1	TD+				
2	RD+				
3	TD-				
4	RD-				

Electrical connection



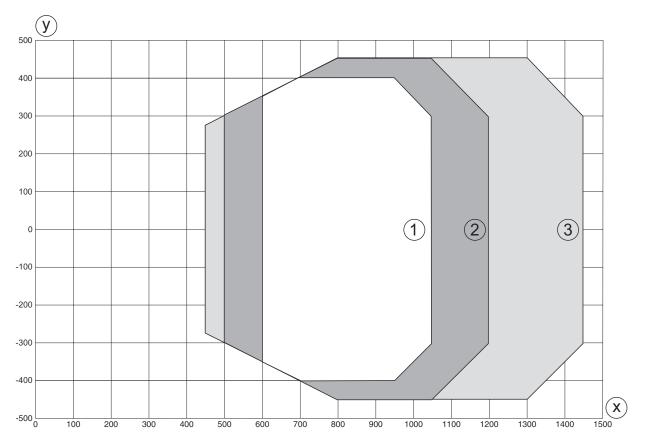
Connection 5	BUS OUT	
Function	BUS OUT	
Type of connection	Connector	
Thread size	M12	
Туре	Female	
Material	Metal	
No. of pins	4 -pin	
Encoding	D-coded D-coded	

Pin	Pin assignment
1	TD+
2	RD+
3	TD-
4	RD-



Diagrams

Reading field curve - Low Density

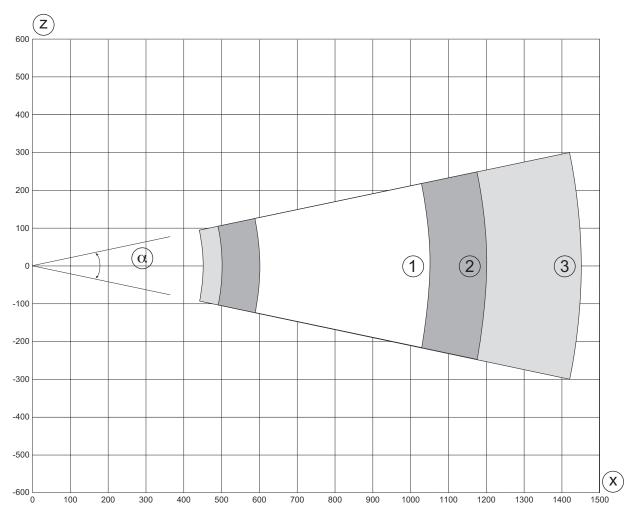


- Reading field width [mm]
- Reading field distance [mm]
- Module = 0.3 mm: 600 mm 1050 mm (450 mm depth of field)
- Module = 0.35 mm: 500 mm 1200 mm (700 mm depth of field)
- Module = 0.5 mm: 450 mm 1450 mm (1000 mm depth of field)

Diagrams



Reading field curve - Low Density



- z Reading field height [mm]
- x Reading field distance [mm]
- 1 Module = 0.3 mm: 600 mm 1050 mm (450 mm depth of field)
- 2 Module = 0.35 mm: 500 mm 1200 mm (700 mm depth of field)
- 3 Module = 0.5 mm: 450 mm 1450 mm (1000 mm depth of field)

Operation and display

LED	Display	Meaning	
1 PWR	Off	No supply voltage	
	Green, flashing	Initialization	
	Green, continuous light	Device OK	
	Orange, flashing	Service operation	
	Orange, continuous light	Reset	
	Red, flashing	Device OK, warning set	
	Red, continuous light	Device error	
2 NET	Off	No supply voltage	
	Green, flashing	BUS initialization	
	Green, continuous light	Bus operation ok	
	Orange, flashing	Service mode	
	Orange, continuous light	Reset	
	Red, flashing	Communication error	

Operation and display



LE	D	Display	Meaning
2 NET		Red. continuous light	Network error

Part number code

Part designation: BCL XXXX YYZ AAA B

BCL	Operating principle BCL: bar code reader
XXXX	Series/interface (integrated fieldbus technology) 600i: RS 232/RS 422/ RS 485 (multiNet master) 601i: RS 485 (multiNet slave) 604i: PROFIBUS DP 608i: Ethernet 648i: PROFINET 658i: EtherNet/IP
YY	Scanning principle S: line scanner (single line) O: oscillating-mirror scanner (oscillating mirror)
Z	Optics N: High Density (close) M: Medium Density (medium distance) F: Low Density (remote) L: Long Range (very large distances)
AAA	Beam exit 100: lateral 102: front
ВВ	Special equipment H: With heating

Note



🖔 A list with all available device types can be found on the Leuze website at www.leuze.com.

Notes



Observe intended use!



- \$ Only use the product in accordance with its intended use.

Notes





ATTENTION! LASER RADIATION - CLASS 2 LASER PRODUCT



Do not stare into beam!

The device satisfies the requirements of IEC/EN 60825-1:2014 safety regulations for a product of **laser class 2** as well as the U.S. 21 CFR 1040.10 regulations with deviations corresponding to Laser Notice No. 56 from May 08, 2019.

- Never look directly into the laser beam or in the direction of reflected laser beams! If you look into the beam path over a longer time period, there is a risk of injury to the retina.
- ♥ Do not point the laser beam of the device at persons!
- 🖖 Interrupt the laser beam using a non-transparent, non-reflective object if the laser beam is accidentally directed towards a person.
- 🔖 When mounting and aligning the device, avoid reflections of the laser beam off reflective surfaces!
- 🖔 CAUTION! Use of controls or adjustments or performance of procedures other than specified herein may result in hazardous light exposure.
- Observe the applicable statutory and local laser protection regulations.
- The device must not be tampered with and must not be changed in any way. There are no user-serviceable parts inside the device. Repairs must only be performed by Leuze electronic GmbH + Co. KG.

NOTE



Affix laser information and warning signs!

Laser information and warning signs are affixed to the device. In addition, self-adhesive laser information and warning signs (stick-on labels) are supplied in several languages.

- Affix the laser information sheet to the device in the language appropriate for the place of use. When using the device in the US, use the stick-on label with the "Complies with 21 CFR 1040.10" note.
- Affix the laser information and warning signs near the device if no signs are attached to the device (e.g. because the device is too small) or if the attached laser information and warning signs are concealed due to the installation position.
- Affix the laser information and warning signs so that they are legible without exposing the reader to the laser radiation of the device or other optical radiation.

Accessories

Connection technology - Connection cables

Part no.	Designation	Article	Description
50132079	KD U-M12-5A-V1- 050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5.000 mm Sheathing material: PVC

Connection technology - Interconnection cables

		Part no.	Designation	Article	Description
· · · · · · · · · · · · · · · · · · ·	o.o	50107726	KB USB A - USB A	Interconnection cable	Suitable for interface: USB Connection 1: USB Connection 2: USB Shielded: Yes Cable length: 1,800 mm Sheathing material: PVC





	Part no.	Designation	Article	Description
	50137078	KSS ET-M12-4A- M12-4A-P7-050	Interconnection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin Connection 2: Connector, M12, Axial, Male, D-coded, 4 -pin Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR
	50135081	KSS ET-M12-4A- RJ45-A-P7-050	Interconnection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin Connection 2: RJ45 Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR

Mounting technology - Other

Part no.	Designation	Article	Description
50111224	BT 59	Mounting bracket	Fastening, at system: Groove mounting Mounting bracket, at device: Clampable Material: Metal Shock absorber: No

Services

	Part no.	Designation	Article	Description
P ∰	S981020	CS30-E-212	Hourly rate	Details: Compilation of the application data, selection and suggestion of suitable sensor system, drawing prepared as assembly sketch. Conditions: Completed questionnaire or project specifications with a description of the application have been provided. Restrictions: Travel and accommodation charged separately and according to expenditure.
	S981014	CS30-S-110	Start-up support	Details: Performed at location of customer's choosing, duration: max. 10 hours. Conditions: Devices and connection cables are already mounted, price not including travel costs and, if applicable, accommodation expenses. Restrictions: No mechanical (mounting) and electrical (wiring) work performed, no changes (attachments, wiring, programming) to third-party components in the nearby environment.
	S981019	CS30-T-110	Product training	Details: Location and content to be agreed upon, duration: max. 10 hours. Conditions: Price not including travel costs and, if applicable, accommodation expenses. Restrictions: Travel costs and accommodation expenses charged separately and according to expenditure.
 	S981021	CS30-V-212	Hourly rate	Details: REA evaluation with creation of a test report, evaluation of the code quality. Conditions: Original bar codes to be provided by the client.

Accessories



Note



🔖 A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.