

# **Technical data sheet** Stationary bar code reader

Part no.: 50116185

BCL 300i OM 100



#### Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Diagrams
- Operation and display
- Part number code
- Notes
- Accessories













### **Technical data**



Series	BCL 300i
Functions	
Functions	Alignment mode
	AutoConfig
	AutoControl
	AutoReflAct
	Code fragment technology
	LED indicator
	Reference code comparison
Characteristic parameters	
MTTF	110 years
Read data	
Code types, readable	2/5 Interleaved
	Codabar
	Code 128
	Code 39
	Code 93
	EAN 8/13
	GS1 Databar Expanded
	GS1 Databar Limited
	GS1 Databar Omnidirectional
	UPC
Scanning rate, typical	1,000 scans/s
Bar codes per reading gate, max. number	64 Piece(s)
Optical data	
Reading distance	40 200 mm
J · · · · ·	40 300 mm
Light source	Laser, Red
Light source Wavelength	Laser, Red 655 nm
Light source Wavelength Laser class	Laser, Red 655 nm 1, IEC/EN 60825-1:2014
Light source Wavelength Laser class Transmitted-signal shape	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous
Light source Wavelength Laser class Transmitted-signal shape Modulus size	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm
Light source Wavelength Laser class Transmitted-signal shape Modulus size Reading method	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90°
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90° 10 Hz
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90°
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90° 10 Hz
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90° 10 Hz
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90° 10 Hz 20 °
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data  Supply voltage U <sub>B</sub>	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °  Polarity reversal protection
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data  Supply voltage U <sub>B</sub>	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °  Polarity reversal protection
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data  Supply voltage U <sub>B</sub> Power consumption, max.	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °  Polarity reversal protection
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data  Supply voltage U <sub>B</sub> Power consumption, max.  Inputs/outputs selectable	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °  Polarity reversal protection  18 30 V, DC 9 W
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data  Supply voltage U <sub>B</sub> Power consumption, max.  Inputs/outputs selectable  Output current, max.	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less that 90° 10 Hz 20 °  Polarity reversal protection  18 30 V, DC 9 W
Light source  Wavelength  Laser class  Transmitted-signal shape  Modulus size  Reading method  Beam deflection  Light beam exit  Oscillating mirror frequency  Max. swivel angle  Electrical data  Protective circuit  Performance data Supply voltage U <sub>B</sub> Power consumption, max.  Inputs/outputs selectable Output current, max.  Number of inputs/outputs selectab	Laser, Red 655 nm 1, IEC/EN 60825-1:2014 Continuous 0.2 0.5 mm Oscillating-mirror scanner Via rotating polygon wheel + stepping motor with mirror Zero position at side at angle less tha 90° 10 Hz 20 °  Polarity reversal protection  18 30 V, DC 9 W  60 mA

RS 232	
Function	Process
Transmission speed	4,800 115,200 Bd
Data format	Adjustable
Start bit	1
Data bit	7,8
Stop bit	1.2
Parity	Adjustable
Transmission protocol	<stx><data><cr><lf></lf></cr></data></stx>
Data encoding	ASCII
RS 422	5
Function	Process
Transmission speed	4,800 115,200 Bd
Data format	Adjustable
Start bit	1
Data bit	7, 8 data bits
Stop bit	1, 2 stop bits
Transmission protocol	Adjustable
Data encoding	ASCII
Service interface	
Туре	USB 2.0
USB	0.5 5
Function	Configuration via software
	Service
Connection	
M. oderosta at	
Number of connections	1 Piece(s)
Number of connections	1 Piece(s)
Number of connections  Connection 1	1 Piece(s)
	1 Piece(s) BUS OUT
Connection 1	.,
Connection 1	BUS OUT
Connection 1	BUS OUT Connection to device
Connection 1	BUS OUT Connection to device Data interface
Connection 1	BUS OUT  Connection to device  Data interface  PWR / SW IN / OUT  Service interface  Plug connector, It is essential to use a connection unit when commissioning the
Connection 1 Function  Type of connection	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.
Connection 1 Function  Type of connection  No. of pins	BUS OUT  Connection to device  Data interface  PWR / SW IN / OUT  Service interface  Plug connector, It is essential to use a connection unit when commissioning the
Connection 1 Function  Type of connection	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device. 32 -pin
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male Cubic
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design  Dimension (W x H x L)	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device. 32 -pin Male  Cubic 125 mm x 58 mm x 110 mm
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design  Dimension (W x H x L)  Housing material	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device. 32 -pin Male  Cubic 125 mm x 58 mm x 110 mm
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design  Dimension (W x H x L)  Housing material	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver Dovetail grooves
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color  Type of fastening	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver Dovetail grooves Fastening on back
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color  Type of fastening  Operation and display	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver Dovetail grooves Fastening on back Via optional mounting device
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color  Type of fastening  Operation and display  Type of display	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver Dovetail grooves Fastening on back Via optional mounting device
Connection 1 Function  Type of connection  No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color  Type of fastening  Operation and display	BUS OUT Connection to device Data interface PWR / SW IN / OUT Service interface Plug connector, It is essential to use a connection unit when commissioning the device.  32 -pin Male  Cubic 125 mm x 58 mm x 110 mm Metal Diecast aluminum Glass 580 g Red Silver Dovetail grooves Fastening on back Via optional mounting device

### **Technical data**

# Leuze

#### **Environmental data**

Ambient temperature, operation	0 40 °C
Ambient temperature, storage	-20 70 °C
Relative humidity (non-condensing)	0 90 %

#### Certifications

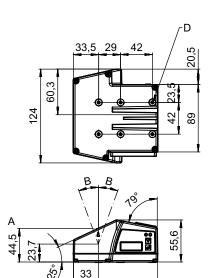
Certifications	
Degree of protection	IP 65
Protection class	III
Certifications	c UL US
Test procedure for EMC in accordance	EN 55022
with standard	EN 61000-4-2, -3, -4, -6
Test procedure for shock in accordance with standard	IEC 60068-2-27, test Ea
Test procedure for continuous shock in accordance with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

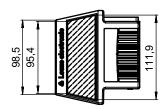
#### Classification

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

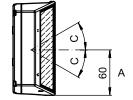
# **Dimensioned drawings**

All dimensions in millimeters





111,5



- A Optical axis
- B Swivel angle of the laser beam:  $\pm 20^{\circ}$
- C Deflection angle of the laser beam: ± 30°
- D M4 thread (5 mm deep)

### **Electrical connection**

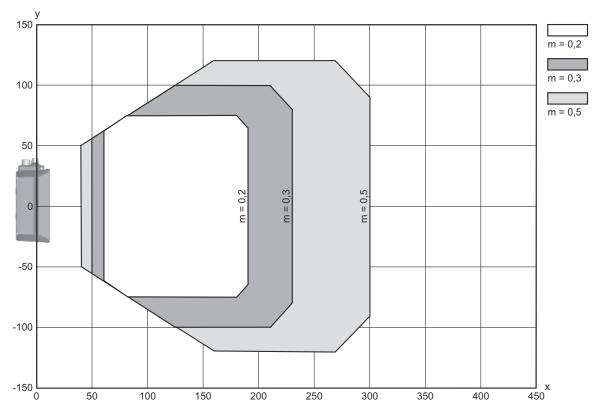


#### **Connection 1**

Function	BUS OUT
	Connection to device
	Data interface
	PWR / SW IN / OUT
	Service interface
Type of connection	Plug connector
Type of connection	It is essential to use a connection unit when commissioning the device.
No. of pins	32 -pin
Туре	Male

### **Diagrams**

### Reading field curve

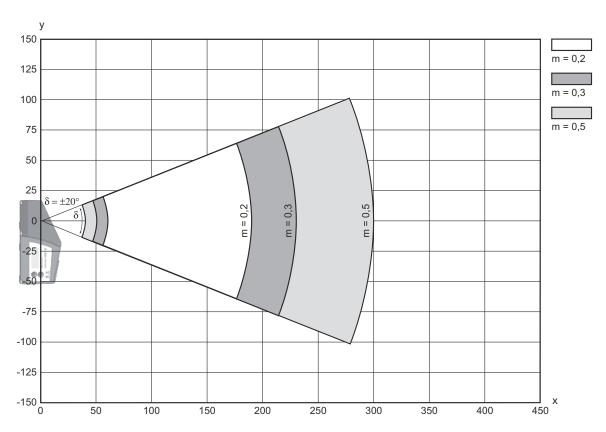


- x Reading field distance [mm]
- y Reading field width [mm]

### **Diagrams**



### Lateral reading field curve



# **Operation and display**

LED	Display	Meaning
1 PWR	Green, flashing	Device ok, initialization phase
	Green, continuous light	Device OK
	Green, briefly off - on	Reading successful
	Green, briefly off - briefly red - on	Reading not successful
	Orange, continuous light	Service mode
	Red, flashing	Device OK, warning set
	Red, continuous light	Error, device error
2 BUS	Green, flashing	Initialization
	Green, continuous light	Bus operation ok
	Red, flashing	Communication error
	Red, continuous light	Bus error

#### Part number code



Part designation: BCL XXXX YYZ AAA BB CCCC

BCL	Operating principle BCL: bar code reader
xxxx	Series/interface (integrated fieldbus technology) 300i: RS 232 / RS 422 (stand-alone) 301i: RS 485 (multiNet slave) 304i: PROFIBUS DP 308i: EtherNet TCP/IP, UDP 338i: EtherCAT 348i: PROFINET RT 358i: EtherNet/IP
YY	Scanning principle S: line scanner (single line) R1: line scanner (raster) 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) J: ink-jet (depending on the application)
AAA	Beam exit 100: lateral 102: front
ВВ	Special equipment D: With display H: With heating DH: optionally with display and heating P: plastic exit window
cccc	Functions F007: optimized process data structure F099: OPC-UA function

#### Note



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

### **Notes**



#### Observe intended use!



- ∜ This product is not a safety sensor and is not intended as personnel protection.
- \$ Only use the product in accordance with its intended use.

### $\Lambda$

#### ATTENTION! LASER RADIATION - CLASS 1 LASER PRODUCT



The device satisfies the requirements of IEC/EN 60825-1:2014 safety regulations for a product of **laser class 1** and complies with 21 CFR 1040.10 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

- 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.

The Sensor People In der Braike 1, 73277 Owen

Leuze electronic GmbH + Co. KG info@leuze.com • www.leuze.com

In der Braike 1, 73277 Owen Phone: +49 7021 573-0 • Fax: +49 7021 573-199

We reserve the right to make technical changes eng • 2023-02-01

### Accessories



# Connection technology - Connection unit

 Part no.	Designation	Article	Description
50114369	MA 100	Modular connection unit	Interface: RS 232, RS 485 Connections: 1 Piece(s) Degree of protection: IP 54

### 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
5	50114571 *	KB 301-3000	Interconnection cable	Suitable for interface: RS 232, RS 422, RS 485 Connection 1: Socket connector Connection 2: JST ZHR, 10 -pin, 6 -pin Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC
	50117011	KB USB A - USB miniB	Service line	Suitable for interface: USB Connection 1: USB Connection 2: USB Shielded: Yes Cable length: 1,500 mm Sheathing material: PVC

<sup>\*</sup> Necessary accessories, please order separately

# Connection technology - Connection boxes

Part no.	Designation	Article	Description
50116463 *	MK 300	Connection unit	Suitable for: BCL 300i, BPS 300i Interface: RS 232 Number of connections: 3 Piece(s) Connection: Terminal
50116468 *	MS 300	Connection unit	Suitable for: BCL 300i, BPS 300i Interface: RS 232 Number of connections: 3 Piece(s) Connection: Connector, M12

<sup>\*</sup> Necessary accessories, please order separately

#### **Accessories**



# Mounting technology - Mounting brackets

Part no.	Designation	Article	Description
50121433	BT 300 W	Mounting device	Design of mounting device: Angle, L-shape Fastening, at system: Through-hole mounting Mounting bracket, at device: Screw type Type of mounting device: Adjustable Material: Metal

# Mounting technology - Rod mounts

Part no.	Designation	Article	Description
50121435	BT 56 - 1	Mounting device	Functions: Static applications Design of mounting device: Mounting system Fastening, at system: For 12 mm rod, For 14 mm rod, For 16 mm rod Mounting bracket, at device: Clampable Material: Metal Tightening torque of the clamping jaws: 8 N·m

# Mounting technology - Other

Part no.	Designation	Article	Description
50124941	BTU 0300M-W	Mounting device	Fastening, at system: Through-hole mounting Mounting bracket, at device: Clampable, Groove mounting, Suited for M4 screws Material: Metal Shock absorber: No

# Reflective tapes for standard applications

Part no.	Designation	Article	Description
50106119	REF 4-A-100x100	Reflective tape	Design: Rectangular Reflective surface: 100 mm x 100 mm Material: Plastic Chemical designation of the material: PMMA Fastening: Self-adhesive

### Services

00000				
	Part no.	Designation	Article	Description
D S S S S	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.





	Part no.	Designation	Article	Description
	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.
<del>      </del>	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.

#### Note



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