

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

Part no.: 50120769

BCL 358i R1 N 100 D



#### Contents

- Technical data
- Dimensioned drawings
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### **Technical data**



| Carian   | DCI 200:   | Output current, max.   | 60 mA  |
|--|--|--|--|
| Series   | BCL 300i   | Number of inputs/outputs selectable  | 2 Piece(s)   |
| Functions  |  | Input current, max.  | 8 mA   |
| Functions  | Alignment mode   | Interface  |  |
|  | AutoConfig   | T  | F0 - A1-11   |
|  | AutoControl  | Туре   | EtherNet IF  |
|  | AutoReflAct  | EtherNet IP  |  |
|  | Code fragment technology   | Function   | Process  |
|  | LED indicator  | Address assignment   | DHCP   |
|  | Reference code comparison  | Addition doolgiiiioii  | Manual ad  |
|  |  | Switch functionality   | Integrated   |
| Characteristic parameters  |  | Transmission speed   | 10 Mbit/s  |
| MTTF   | 110 years  |  | 100 Mbit/s   |
| Read data  |  | Service interface  |  |
| Code types, readable   | 2/5 Interleaved  | Tuno   | USB  |
|  | Codabar  | Туре   | USB  |
|  | Code 128   | USB  |  |
|  | Code 39  | Function   | Configurati  |
|  | Code 93  |  | 2290.00  |
|  | EAN 8/13   | Connection   |  |
|  | GS1 Databar Expanded   | Number of connections  | 1 Diago(a)   |
|  | GS1 Databar Limited  | Number of connections  | 1 Piece(s)   |
|  | GS1 Databar Climited  GS1 Databar Omnidirectional  | Connection 1   |  |
|  | UPC  | Function   | BUS IN   |
| Scanning rate, typical   | 1,000 scans/s  |  | BUS OUT  |
| Bar codes per reading gate, max.   | 64 Piece(s)  |  | Connection   |
|  | 0111000(0)   |  |  |
| number   |  |  | Data interfa   |
| number   |  |  |  |
| number<br>Optical data   |  |  | PWR / SW   |
|  | 20 130 mm  | Type of connection   | PWR / SW<br>Service int  |
| Optical data   | 20 130 mm<br>Laser, Red  | Type of connection No. of pins   | PWR / SW<br>Service int  |
| Optical data Reading distance  |  |  | PWR / SW<br>Service into   |
| Optical data Reading distance Light source   | Laser, Red   | No. of pins  | PWR / SW<br>Service into<br>Plug conne<br>32 -pin  |
| Optical data  Reading distance  Light source  Laser light wavelength   | Laser, Red<br>655 nm   | No. of pins  | PWR / SW<br>Service into<br>Plug conne<br>32 -pin  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field  | Laser, Red<br>655 nm<br>2, IEC/EN 60825-1:2007   | No. of pins Type   | PWR / SW<br>Service into<br>Plug conne<br>32 -pin  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening)   | Laser, Red<br>655 nm<br>2, IEC/EN 60825-1:2007<br>Continuous<br>60 °   | No. of pins Type  Mechanical data  | PWR / SW<br>Service intr<br>Plug conne<br>32 -pin<br>Male  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size  | Laser, Red<br>655 nm<br>2, IEC/EN 60825-1:2007<br>Continuous<br>60 °   | No. of pins Type  Mechanical data  Design  | PWR / SW<br>Service intr<br>Plug conne<br>32 -pin<br>Male  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror   | No. of pins Type  Mechanical data  Design Dimension (W x H x L)  | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size  | Laser, Red<br>655 nm<br>2, IEC/EN 60825-1:2007<br>Continuous<br>60 °   | No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material   | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 ° 0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror  | No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing   | PWR / SW<br>Service into<br>Plug conne<br>32 -pin<br>Male  Cubic 103 mm x - Metal Diecast alu  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror   | No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material   | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male<br>Cubic<br>103 mm x<br>Metal<br>Diecast alu<br>Glass   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror                                    | No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight Housing color  | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male<br>Cubic<br>103 mm x<br>Metal<br>Diecast alu<br>Glass<br>350 g<br>Black<br>Red  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s)                         | No. of pins Type  Mechanical data  Design Dimension (W x H x L) Housing material Metal housing Lens cover material Net weight  | PWR / SW Service into Plug conne 32 -pin Male  Cubic 103 mm x 4 Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm                   | 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   | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male<br>Cubic<br>103 mm x<br>Metal<br>Diecast alu<br>Glass<br>350 g<br>Black<br>Red<br>Dovetail gr<br>Fastening  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines)   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm             | 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  | PWR / SW<br>Service int<br>Plug conne<br>32 -pin<br>Male  Cubic 103 mm x Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 300 mm   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm             | 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   | PWR / SW Service int Plug conne 32 -pin Male  Cubic 103 mm x Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 300 mm   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm             | 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   | PWR / SW Service int Plug conne 32 -pin Male  Cubic 103 mm x Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 300 mm   | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm             | 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  | PWR / SW Service int Plug conne 32 -pin Male  Cubic 103 mm x Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona  LED Monochror pixels 2 Piece(s)  |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 400 mm  Electrical data Protective circuit  Performance data                               | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm 38 mm 48 mm | 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  Number of LEDs   | PWR / SW Service into Plug conne 32 -pin Male  Cubic 103 mm x - Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona  LED Monochror pixels 2 Piece(s)   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 400 mm  Electrical data Protective circuit  Performance data Supply voltage U <sub>B</sub> | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm 38 mm 48 mm | 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  Number of LEDs Type of configuration  Environmental data | PWR / SW Service int Plug conne 32 -pin Male  Cubic 103 mm x Metal Diecast alu Glass 350 g Black Red Dovetail gr Fastening Via optiona  LED Monochror pixels 2 Piece(s) Via web br   |
| Optical data  Reading distance Light source Laser light wavelength Laser class Transmitted-signal shape Usable opening angle (reading field opening) Modulus size Reading method Beam deflection  Light beam exit Raster (number of lines) Scanning field at scanner distance of 100 mm Scanning field at scanner distance of 200 mm Scanning field at scanner distance of 300 mm Scanning field at scanner distance of 400 mm  Electrical data Protective circuit  Performance data                               | Laser, Red 655 nm 2, IEC/EN 60825-1:2007 Continuous 60 °  0.127 0.2 mm Raster scanner with deflecting mirror By means of rotating polygon mirror wheel + deflecting mirror Lateral with deflecting mirror 8 Piece(s) 17 mm 27 mm 38 mm 48 mm | 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  Number of LEDs Type of configuration                     | PWR / SW Service interpretation of the control of t |

| Output current, max.                    | 60 mA  |
|---|--|
| Number of inputs/outputs selectable     | e 2 Piece(s)                                   |
| Input current, max.                     | 8 mA   |
|   |  |
| nterface                                |  |
| Гуре                                    | EtherNet IP                                    |
|   |  |
| EtherNet IP                             | -  |
| Function                                | Process  |
| Address assignment                      | DHCP   |
|   | Manual address assignment                      |
| Switch functionality                    | Integrated                                     |
| Transmission speed                      | 10 Mbit/s                                      |
|   | 100 Mbit/s                                     |
| Service interface                       |  |
|   |  |
| Туре                                    | USB  |
| USB                                     |  |
| Function                                | Configuration via software                     |
| T direction                             | Comigaration via continue                      |
| Connection                              |  |
| Number of connections                   | 1 Piece(s)                                     |
|   | (-/  |
| Connection 1                            |  |
| Function                                | BUS IN   |
|   | BUS OUT  |
|   | Connection to device                           |
|   | Data interface                                 |
|   | PWR / SW IN / OUT                              |
|   | Service interface                              |
| Type of connection                      | Plug connector                                 |
| • •                                     | -  |
| No. of pins                             | 32 -pin<br>Male                                |
| Туре                                    | Male   |
| Mechanical data                         |  |
| Design                                  | Cubic  |
| Dimension (W x H x L)                   | 103 mm x 44 mm x 96 mm                         |
| Housing material                        | Metal  |
| Metal housing                           | Diecast aluminum                               |
| Lens cover material                     | Glass  |
| Net weight                              | 350 g  |
| Housing color                           | Black  |
|   | Red  |
| Type of fastening                       | Dovetail grooves                               |
| .ypc or idotoming                       | Fastening on back                              |
|   | Via optional mounting device                   |
|   |  |
| Operation and display                   |  |
| Type of display                         | LED  |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Monochromatic graphic display, 128 x 32 pixels |
| Number of LEDs                          | 2 Piece(s)                                     |
| Type of configuration                   | Via web browser                                |
|   |  |
| Environmental data                      |  |
| Ambient temperature, operation          | 0 40 °C  |
| Ambient temperature, storage            | -20 70 °C                                      |
| Relative humidity (non-condensing)      | 0 90 %   |

### **Technical data**



#### Certifications

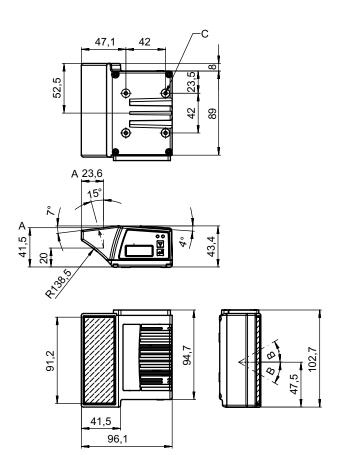
| Degree of protection  | IP 65                    |
|---|--------------------------|
| Protection class  | III                      |
| Certifications  | c UL US                  |
| Test procedure for EMC in accordance                            | EN 55022                 |
| with standard   | EN 61000-4-2, -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 |
|-----------------------|----------|
| eCl@ss 5.1.4          | 27280102 |
| eCl@ss 8.0            | 27280102 |
| eCl@ss 9.0            | 27280102 |
| eCl@ss 10.0           | 27280102 |
| eCl@ss 11.0           | 27280102 |
| ETIM 5.0              | EC002550 |
| ETIM 6.0              | EC002550 |
| ETIM 7.0              | EC002550 |

## **Dimensioned drawings**

All dimensions in millimeters



- A Optical axis
- B Deflection angle of the laser beam: ± 30°
- C M4 thread (5 deep)

### **Electrical connection**

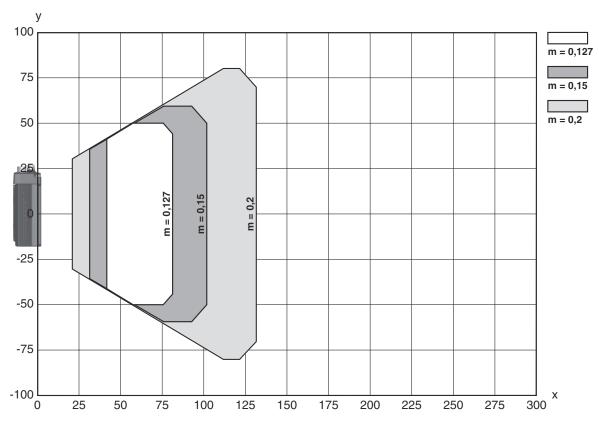


#### **Connection 1**

| Function           | BUS IN               |
|--------------------|----------------------|
|                    | BUS OUT              |
|                    | Connection to device |
|                    | Data interface       |
|                    | PWR / SW IN / OUT    |
|                    | Service interface    |
| Type of connection | Plug connector       |
| No. of pins        | 32 -pin              |
| Туре               | Male                 |

## **Diagrams**

### Reading field curve



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

## **Operation and display**

| LE | D   | 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             |  |

## Operation and display



| LED   | Display                 | Meaning             |
|-------|-------------------------|---------------------|
| 2 NET | 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 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   |

#### Note



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

#### **Notes**



#### Observe intended use!



- $\ ^{\mbox{\tiny $t$}}\ \mbox{This product is not a safety sensor and is not intended as personnel protection.}$
- $\ ^{\mbox{\tiny $b$}}\ \mbox{ The product may only be put into operation by competent persons.}$
- $\ ^{\mbox{\tiny $t$}}\ \mbox{Only}$  use the product in accordance with its intended use.

#### **Notes**





#### WARNING! LASER RADIATION - CLASS 2 LASER PRODUCT



Do not stare into beam!

The device satisfies the requirements of IEC 60825-1:2007 (EN 60825-1:2007) 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. 50" from June 24, 2007.

- 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!
- by 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.

- Shiftix 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-<br>050  | Connection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin<br>Connection 2: Open end<br>Shielded: No<br>Cable length: 5,000 mm<br>Sheathing material: PVC                                    |
| W<br>D | 50135074 | KS ET-M12-4A-P7-<br>050 | Connection cable | Suitable for interface: Ethernet<br>Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin<br>Connection 2: Open end<br>Shielded: Yes<br>Cable length: 5,000 mm<br>Sheathing material: PUR |

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### **Accessories**



## Connection technology - Interconnection cables

|  | Part no. | Designation                     | Article               | Description  |
|--|----------|---------------------------------|-----------------------|--|
|  | 50117011 | KB USB A - USB<br>miniB         | Service line          | Suitable for interface: USB Connection 1: USB Connection 2: USB Shielded: Yes Cable length: 1,500 mm Sheathing material: PVC   |
|  | 50137078 | KSS ET-M12-4A-<br>M12-4A-P7-050 | Interconnection cable | Suitable for interface: Ethernet<br>Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin<br>Connection 2: Connector, M12, Axial, Male, D-coded, 4 -pin<br>Shielded: Yes<br>Cable length: 1,000 mm<br>Sheathing material: PUR |
|  | 50135081 | KSS ET-M12-4A-<br>RJ45-A-P7-050 | Interconnection cable | Suitable for interface: Ethernet<br>Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin<br>Connection 2: RJ45<br>Shielded: Yes<br>Cable length: 5,000 mm<br>Sheathing material: PUR   |

## 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 |

#### **Accessories**



## 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

|                   | Part no. | Designation | Article                                     | Description   |
|-------------------|----------|-------------|---|---|
| <b>₽</b>          | S981020  | CS30-E-212  | Hourly rate for<br>"Configuration"          | 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.  |
| <del>      </del> | S981021  | C\$30-V-212 | Hourly rate for "Bar<br>code qualification" | 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.