



the sensor people





Part no.: 50137195 LS3CL1.B/XX-M8 Throughbeam photoelectric sensor transmitter













Figure can vary

Contents

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



Technical data

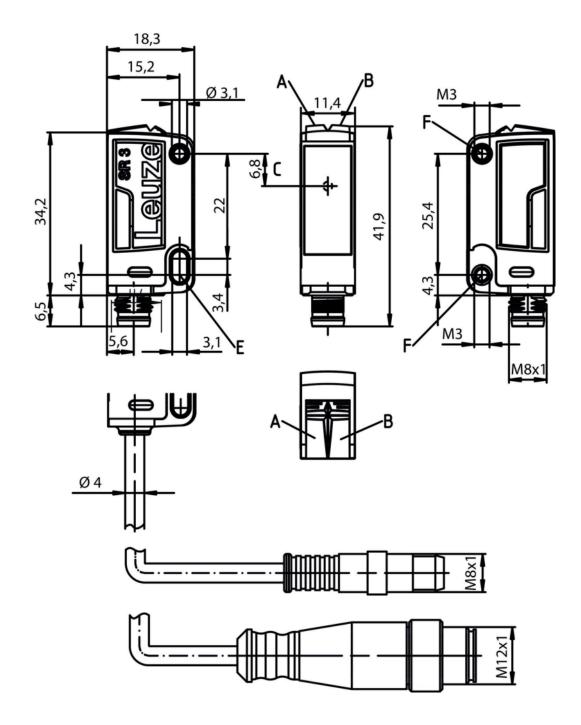
Series 3C Operating principle Throughbeam principle Operating principle Transmitter Operating principle Operating pr	Basic data			
Operating principle Throughbeam principle Device type Transmitter Optical data Coperating range Operating range Quaranteed operating range Operating range limit Typical operating range Operating range limit Quaranteed date Laser (ass 1, IEC (ass (assessed date) Laser (ass 1, IEC (EN 60825-1-2014 Transmitted-sized states 1, IEC (EN 60825-1-2014 Electrical date Pulsed Protective circuit Polarity reversal protection Protective circuit Polarity reversal protection Residual ripple 0 15 %, Fron Us Open-directive circuit 10 30 V, DC, Incl. residual ripple Resi		30		
Device type Transmitter Optical data Operating range Operating range Operating range Operating range Operating range Operating range imit Operating range Operation Operating range Operation Operating range Operating range Operation				
Optical data Operating range Operating range Operating range Operating range 0 6 m Operating range 1 mile Operating range range range range 1 mile Operating range range range range range 1 mile Operating range rang				
Operating range Guaranteed operating range Operating range ilmit 7 ypical operating range Operating range ilmit 0 10 m Beam path Collimated Light source Laser (Red Laser (light wevelength 550 nm Laser (laght wevelength 550 nm Laser (laght wevelength 650 nm Laser (laght wevelength 660 nm Electrical data 7 performance data Supply voltage Us 10 30 V , DC , Incl. residual ripple Readiness delay 300 ms Connection 7 per (laght wevelength <td>Device type</td> <td>Transmitter</td>	Device type	Transmitter		
Operating range Guaranteed operating range Operating range ilmit 7 ypical operating range Operating range ilmit 0 10 m Beam path Collimated Light source Laser (Red Laser (light wevelength 550 nm Laser (laght wevelength 550 nm Laser (laght wevelength 650 nm Laser (laght wevelength 660 nm Electrical data 7 performance data Supply voltage Us 10 30 V , DC , Incl. residual ripple Readiness delay 300 ms Connection 7 per (laght wevelength <td>Optical data</td> <td></td>	Optical data			
Operating range limit Typical operating range Operating range limit 0 10 m Beam path Collimated Light source Laser, Red Laser light wavelength 650 nm Laser lass 1, IEC / EN 60825-1:2014 Transmitted-signal shape Pulsed Light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot geometry elliptic Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage UB Supply voltage UB Open-circuit current Open-circuit current Open-circuit current Connection Connection Connection Connection Connection Connection Connection Connection Connection <td <="" colspan="2" td=""><td></td><td>Guaranteed operating range</td></td>	<td></td> <td>Guaranteed operating range</td>			Guaranteed operating range
Operating range limit Typical operating range Operating range limit 0 10 m Beam path Collimated Light source Laser, Red Laser path wevelength 650 mm Laser class 1 . IEC / EN 60825-1:2014 Transmitted-signal shape Pulsed Light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot geometry elliptic Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage Us 10 30 V , D C , Incl., residual ripple Residual ripple Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Connection Voltage supply Type of connection Voltage supply Type of connection Connection Type of connection				
Operating range limit 0 10 m Beam path Collimated Laser light wavelength 650 nm Laser loght wavelength 650 nm Laser loght wavelength 650 nm Laser class 1 , IEC / EN 60825-1:2014 Transmitted-signal shape Pulsed Light spot size (at sensor distance) 2.5 mm x 2 mm (1,000 mm) Type of light spot geometry elliptic Electrical data Protective circuit Polarity reversal protection Short circuit protected Supply voltage Us Supply voltage Us Residual ripple Open-circuit current Open-circuit current <td></td> <td>Typical operating range</td>		Typical operating range		
Dearn path				
Light source Laser [Red 550 nm 550 nm Laser Class 1, IEC / EN 60825-1-2014 Transmitted-signal shape Pulsed 2.5 mm x 2 mm [1,000 mm] Type of light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot size [at sensor distance] Polarity reversal protection Short circuit protected Polarity reversal protection Short circuit protected Supply voltage Us				
Laser light wavelength 650 nm Laser class 1 , IEC / EN 60825-1:2014 Transmitted-signal shape Pulsed Light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot geometry elliptic Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage UB 10 30 V , DC , Incl. residual ripple Residual ripple 0 15 % , From UB Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Connection Connection Connection Connection Type of connection Connector Thread size M8 Material Metal No. of pins 4 - pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic / PG-ABS <td></td> <td>Laser, Red</td>		Laser, Red		
Laser class				
Transmitted-signal shape Pulsed Light spot size [at sensor distance] 2.5 mm x 2 mm [1,000 mm] Type of light spot geometry elliptic Electrical data Protective circuit Potential Potential Protected Protective circuit Potential Protected Protective circuit Circuit Protective Circuit Circui		1 , IEC / EN 60825-1:2014		
Light spot size [at sensor distance] 2.5 mm x 2 mm [1.000 mm] Type of light spot geometry elliptic Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage UB 10 30 V, DC, Incl. residual ripple Residual ripple 0 15 %, From UB Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Connection Connection Type of connection Connector Thread size MB Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic , PMMA Net weight 10 g Housing color Red Type of fastening	Transmitted-signal shape			
Type of light spot geometry Electrical data Protective circuit Polarity reversal protection Short circuit protected Performance data Supply voltage Ug 10 30 V , DC , Incl. residual ripple Residual ripple 0 15 % , From UB Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Connection Connection Type of connection Connector Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 1.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic , PMMA Net weight 10 g Housing color Red Type of fastening Wo M3 threaded sleeves Via potneal mounting device		2.5 mm x 2 mm [1,000 mm]		
Protective circuit Performance data Supply voltage UB Residual ripple Open-circuit current O 20 mA Timing Readiness delay Connection Function Type of connection Thread size Material No. of pins Mechanical data Dimension (W x H x L) Housing material Lens cover material Net weight Housing color Readiness delay Polarity reversal protection Short circuit protected Short circuit protected 10 30 V , DC , Incl. residual ripple 0 15 % , From UB 0 20 mA Timing Readiness delay 300 ms Connection Connection Voltage supply Type of connector Thread size M8 M8 Type Male Metal No. of pins Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device		elliptic		
Protective circuit Performance data Supply voltage UB Residual ripple Open-circuit current O 20 mA Timing Readiness delay Connection Function Type of connection Thread size Material No. of pins Mechanical data Dimension (W x H x L) Housing material Lens cover material Net weight Housing color Readiness delay Polarity reversal protection Short circuit protected Short circuit protected 10 30 V , DC , Incl. residual ripple 0 15 % , From UB 0 20 mA Timing Readiness delay 300 ms Connection Connection Voltage supply Type of connector Thread size M8 M8 Type Male Metal No. of pins Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Protective circuit Performance data Supply voltage UB Residual ripple Open-circuit current O 20 mA Timing Readiness delay Connection Function Type of connection Thread size Material No. of pins Mechanical data Dimension (W x H x L) Housing material Lens cover material Net weight Housing color Readiness delay Polarity reversal protection Short circuit protected Short circuit protected 10 30 V , DC , Incl. residual ripple 0 15 % , From UB 0 20 mA Timing Readiness delay 300 ms Connection Connection Voltage supply Type of connector Thread size M8 M8 Type Male Metal No. of pins Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Electrical data			
Short circuit protected Performance data Supply voltage UB Residual ripple Open-circuit current O 15 % , From UB Open-circuit current O 20 mA Timing Readiness delay Soo ms Connection Connection Function Yoltage supply Type of connection Thread size M8 Type Male Material No. of pins Mechanical data Dimension (W x H x L) Housing material Lens cover material Plastic / PCABS Lens cover material Plastic / PMMA Net weight No of gastening Pwo M3 threaded sleeves Via optional mounting device		Polarity reversal protection		
Supply voltage UB 10 30 V , DC , Incl. residual ripple Residual ripple 0 15 % , From UB Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Euction Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Residual ripple 0 15 % , From UB Open-circuit current 0 20 mA Timing Readiness delay 300 ms Connection Connection 1 Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic , PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Performance data			
Timing 300 ms Readiness delay 300 ms Connection Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Plastic , PC-ABS Lens cover material Plastic , PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Supply voltage U _B	10 30 V , DC , Incl. residual ripple		
Timing Readiness delay 300 ms Connection	Residual ripple	$0 \dots 15~\%$, From U_B		
Readiness delay 300 ms	Open-circuit current	0 20 mA		
Readiness delay 300 ms				
Connection Function Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Timing			
Connection 1 Function Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Readiness delay	300 ms		
Connection 1 Function Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Function Voltage supply Type of connection Connector Thread size M8 Type Male Material Metal No. of pins 4 - pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Voltage supply Connector M8 11.4 mm x 34.2 mm x 18.3 mm Plastic / PMMA Net weight 10 g Housing color Red	Connection			
Type of connection Thread size M8 Type Male Material No. of pins Mechanical data Dimension (W x H x L) Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Connection 1			
Thread size Type Male Material Metal No. of pins Mechanical data Dimension (W x H x L) Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Function	Voltage supply		
Type Male Material Metal No. of pins 4 - pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Type of connection	Connector		
Material Metal No. of pins 4 -pin Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Thread size	M8		
Mechanical data Dimension (W x H x L) Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight Housing color Type of fastening A -pin 4 -pin 4 -pin 4 -pin 11.4 mm x 34.2 mm x 18.3 mm Plastic , PC-ABS Plastic / PMMA Net weight Type of fastening Two M3 threaded sleeves Via optional mounting device	Туре	Male		
Mechanical data Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Material	Metal		
Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	No. of pins	4 -pin		
Dimension (W x H x L) 11.4 mm x 34.2 mm x 18.3 mm Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device	Machanical data			
Housing material Plastic , PC-ABS Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device		11 / mm v 3/ 2 mm v 19 3 mm		
Lens cover material Plastic / PMMA Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Net weight 10 g Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Housing color Red Type of fastening Two M3 threaded sleeves Via optional mounting device				
Type of fastening Two M3 threaded sleeves Via optional mounting device				
Via optional mounting device				
Compatibility of materials ECOLAB	Type of fastering			
	Compatibility of materials	ECOLAB		



Operation and display			
Type of display	LED		
Number of LEDs	2 Piece(s)		
Environmental data			
Ambient temperature, operation	-40 55 °C		
Ambient temperature, storage	-40 70 °C		
Certifications			
Degree of protection	IP 67 IP 69K		
Protection class	III		
Certifications	c UL US		
Standards applied	IEC 60947-5-2		
Classification			
Customs tariff number	85365019		
eCl@ss 8.0	27270901		
eCl@ss 9.0	27270901		
ETIM 5.0	EC002716	EC002716	
ETIM 6.0	EC002716	EC002716	

Dimensioned drawings

All dimensions in millimeters



A Green LED

B Yellow LED

C Optical axis

E Mounting sleeve (standard)

F Threaded sleeve (3C.B series)

Electrical connection

Connection 1	
Function	Voltage supply
Type of connection	Connector
Thread size	M8
Туре	Male



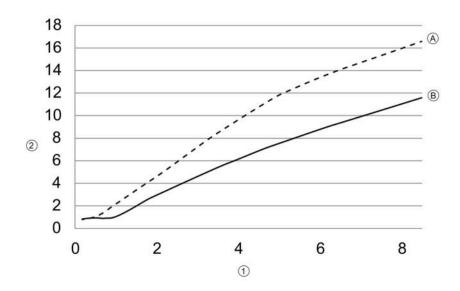
Connection 1	
Material	Metal
No. of pins	4 -pin
Encoding	

Pin	Pin assignment	
1	V+	
2	n.c.	
3	GND	
4	n.c.	



Diagrams

Typ. light spot size



- Distance [m] Diameter [mm]
- у 1 2 А В Distance [m]
 Diameter [mm]
- Vertical
- Horizontal

Operation and display

LEDs

LED	Display	Meaning
1	Green, continuous light	Operational readiness



LED	Display	Meaning
2	Yellow, continuous light	Transmitted beam active

Suitable receivers

Part no.	Designation	Article	Description
50137206	LE3CL1.B1/4W- M8	Throughbeam photoelectric sensor receiver	Special design: Warning output Operating range limit: 0 10 m Supply voltage: DC Digital switching outputs: 2 Piece(s) Switching output 1: Transistor, PNP, Light switching Switching output 2: Transistor, PNP, UB switching Switching frequency: 3,000 Hz Connection: Connector, M8, Metal, 4 -pin Operational controls: 270° potentiometer
50137202	LE3CL1.B1/6G- M8	Throughbeam photoelectric sensor receiver	Operating range limit: 0 10 m Supply voltage: DC Digital switching outputs: 2 Piece(s) Switching output 1: Transistor, Push-pull, Light switching (PNP)/dark switching (NPN) Switching output 2: Transistor, Push-pull, Dark switching (PNP)/light switching (NPN) Switching frequency: 3,000 Hz Connection: Connector, M8, Metal, 4 -pin Operational controls: 270° potentiometer
50137208	LE3CL1.B1/LP- M8	Throughbeam photoelectric sensor receiver	Operating range limit: 0 10 m Supply voltage: DC Digital switching outputs: 2 Piece(s) Switching output 1: Transistor, Push-pull, IO-Link / light switching (PNP)/dark switching (NPN) Switching output 2: Transistor, PNP, Dark switching Switching frequency: 1,000 Hz Interface: IO-Link Connection: Connector, M8, Metal, 4 -pin Operational controls: 270° potentiometer

Part number code

Part designation: AAA 3C d EE-f.GG H/i J-K

AAA3C	Operating principle / construction: HT3C: diffuse reflection sensor with background suppression LS3C: throughbeam photoelectric sensor transmitter LE3C: throughbeam photoelectric sensor receiver PRK3C: retro-reflective photoelectric sensor with polarization filter
d	Light type: n/a: red light l: infrared light
EE	Light source: n/a: LED L1: laser class 1 L2: laser class 2
f	Preset range (optional): n/a: operating range acc. to data sheet xxxF: preset range [mm]
GG	Equipment: n/a: standard A: autocollimation principle (single lens) for positioning tasks B: housing model with two M3 threaded sleeves, brass F: permanently set range L: long light spot S: small light spot T: autocollimation principle (single lens) for highly transparent bottles without tracking TT: autocollimation principle (single lens) for highly transparent bottles with tracking V: V-optics XL: extra long light spot X: extended model



Н	Operating range adjustment: n/a with HT: range adjustable via 8-turn potentiometer n/a with retro-reflective photoelectric sensors (PRK): operating range not adjustable 1: 270° potentiometer 3: teach-in via button 6: auto-teach
i	Switching output/function OUT 1/IN: Pin 4 or black conductor: 2: NPN transistor output, light switching N: NPN transistor output, dark switching 4: PNP transistor output, light switching P: PNP transistor output, dark switching 6: push-pull switching output, PNP light switching, NPN dark switching G: push-pull switching output, PNP dark switching, NPN light switching L: IO-Link interface (SIO mode: PNP light switching, NPN dark switching) 8: activation input (activation with high signal) X: pin not used 1: IO-Link / light switching (NPN) / dark switching (PNP)
J	Switching output / function OUT 2/IN: pin 2 or white conductor: 2: NPN transistor output, light switching N: NPN transistor output, dark switching 4: PNP transistor output, light switching P: PNP transistor output, dark switching 6: push-pull switching output, PNP light switching, NPN dark switching G: push-pull switching output, PNP dark switching, NPN light switching W: warning output X: pin not used 8: activation input (activation with high signal) 9: deactivation input (deactivation with high signal) T: teach-in via cable
К	Electrical connection: n/a: cable, standard length 2000 mm, 4-wire 5000: cable, standard length 5000 mm, 4-wire M8: M8 connector, 4-pin (plug) M8.3: M8 connector, 3-pin (plug) 200-M8: cable, length 200 mm with M8 connector, 4-pin, axial (plug) 200-M8.3: cable, length 200 mm with M8 connector, 3-pin, axial (plug) 200-M12: cable, length 200 mm with M12 connector, 4-pin, axial (plug)

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.
- · The product may only be put into operation by competent persons.
- · Only use the product in accordance with its intended use.

For UL applications:

- For UL applications, use is only permitted in Class 2 circuits in accordance with the NEC (National Electric Code).
- These proximity switches shall be used with UL Listed Cable assemblies rated 30V, 0.5A min, in the field installation, or equivalent (categories: CYJV/CYJV7 or PVVA/PVVA7)

Leuze electronic GmbH + Co. KG, In der Braike 1, 73277 Owen Phone: +49 7021 573-0, Fax: +49 7021 573-199



WARNING! LASER RADIATION - CLASS 1 LASER PRODUCT

The device satisfies the requirements of IEC 60825-1:2014 (EN 60825-1:2014) safety regulations for a product of **laser class 1** as well as the U.S. 21 CFR 1040.10 regulations with deviations corresponding to "Laser Notice No. 50" from June 24, 2007.

- 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.
- Light source: Average life expectancy 50,000 h at an ambient temperature of 25 °C

Accessories

Connection technology - Connection cables

Part no.	Designation	Article	Description
50130850	KD U-M8-4A- V1-050	Connection cable	Connection 1: Connector, M8, Axial, Female, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC
50130871	KD U-M8-4W- V1-050	Connection cable	Connection 1: Connector, M8, Angled, Female, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

Mounting technology - Mounting brackets

ı	Part no.	Designation	Article	Description
50	0060511	BT 3	Ü	Design of mounting device: Angle, L-shape Fastening, at system: Through-hole mounting Mounting bracket, at device: Screw type Type of mounting device: Rigid Material: Metal

Mounting technology - Rod mounts

Part no	Designation	Article	Description
5011782	9 BTP 200M-D12	Mounting system	Design of mounting device: Protection hood Fastening, at system: For 12 mm rod Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal



Part no.	Designation	Article	Description
50117255	BTU 200M-D12	Mounting system	Design of mounting device: Mounting system Fastening, at system: For 12 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type, Suited for M3 screws Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal

Note

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