

## Technical data sheet

### Throughbeam photoelectric sensor transmitter

Part no.: 50108812

LSS 96K-1079-43

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For illustration purposes only



## Technical data

### Basic data

Series	96
Operating principle	Throughbeam principle
Device type	Transmitter

### Optical data

Operating range	0 ... 30 m (guaranteed operating range)
Operating range limit	0 ... 35 m (typical operating range)
Light source	LED, Infrared

### Electrical data

#### Performance data

Supply voltage $U_B$	10 ... 30 V, DC
Residual ripple	0 ... 15 %, From $U_B$
Open-circuit current	0 ... 50 mA

### Time behavior

### Connection

Number of connections	1 Piece(s)
<b>Connection 1</b>	
Type of connection	Connector
Thread size	M12
Material	Plastic
No. of pins	4 -pin
Encoding	A-coded

### Mechanical data

Dimension (W x H x L)	30 mm x 90 mm x 70 mm
Housing material	Plastic
Plastic housing	PC
Lens cover material	Plastic
Net weight	150 g
Note	Housing part used contains perfluorobutanesulfonic acid (PFBS)

### Operation and display

Type of display	LED
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### Environmental data

Ambient temperature, operation	-40 ... 55 °C
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### Certifications

Degree of protection	IP 67
Protection class	II
Approvals	c UL US
Standards applied	IEC 60947-5-2

### Classification

Customs tariff number	85365019
ECLASS 5.1.4	27270901
ECLASS 8.0	27270901
ECLASS 9.0	27270901
ECLASS 10.0	27270901
ECLASS 11.0	27270901
ECLASS 12.0	27270901
ECLASS 13.0	27270901
ECLASS 14.0	27270901
ECLASS 15.0	27270901
ECLASS 16.0	27270901
ETIM 5.0	EC002716
ETIM 6.0	EC002716
ETIM 7.0	EC002716
ETIM 8.0	EC002716
ETIM 9.0	EC002716
ETIM 10.0	EC002716

## Electrical connection

### Connection 1

Type of connection	Connector
Thread size	M12
Material	Plastic
No. of pins	4 -pin
Encoding	A-coded

## Suitable receivers

	Part no.	Designation	Operating range Operating range limit	Description
	50108813	LSE 96K/P-1039.1-41	0 ... 30 m 0 ... 35 m	Special version: Time function Supply voltage: DC Digital switching outputs: 1 Piece(s) Switching output 1: Transistor, PNP, Light/dark reversible Switching frequency: 500 Hz Connection: Connector, M12, Plastic, 4 -pin Operational controls: 270° potentiometer

## Accessories

### Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50130652	KD U-M12-4A-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC
	50130690	KD U-M12-4W-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

### Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
	50025570	BT 96	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: Rigid Material: Metal

### Mounting technology - Rod mounts

	Part no.	Designation	Article	Description
	50104897	BT 450.3-96	Mounting device	Design of mounting device: Mounting system Fastening, at system: For 12 mm rod Mounting bracket, at device: Screw type Type of mounting device: Turning, 360°, Adjustable Material: Metal

## Accessories

### Note



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