

## Technical data sheet

### Contrast sensor

Part no.: 50134932

KRTL 3B/4.3111

#### Contents

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Figure can vary



## Technical data

### Basic data

Series	3B
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### Special version

Special version	Teach input
	Time function

### Optical data

Operating range	0.04 ... 0.08 m
Light source	Laser, Red
Laser class	1
Light spot size [at sensor distance]	0.5 mm x 1 mm
Light spot orientation	Vertical
Type of light spot geometry	Oval
Light beam exit	Front

### Electrical data

#### Performance data

Supply voltage U <sub>B</sub>	10 ... 30 V, DC
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#### Inputs

Number of teach inputs	1 Piece(s)
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#### Teach inputs

##### Teach input 1

Teach process	Static 2-point
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#### Outputs

Number of digital switching outputs	1 Piece(s)
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#### Switching outputs

##### Switching output 1

Switching element	Transistor, PNP
Switching principle	Light/dark reversible

### Timing

Switching frequency	4,000 Hz
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### Connection 1

Type of connection	Cable
Cable length	2,000 mm
Number of conductors	4 -wire

### Mechanical data

Design	Cubic
Dimension (W x H x L)	11 mm x 32 mm x 17 mm
Housing material	Plastic
Plastic housing	PC-ABS
Net weight	10 g

### Operation and display

Operational controls	Teach button
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### Environmental data

Ambient temperature, operation	-10 ... 55 °C
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### Certifications

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

### Classification

Customs tariff number	85365019
eCl@ss 5.1.4	27270906
eCl@ss 8.0	27270906
eCl@ss 9.0	27270906
eCl@ss 10.0	27270906
eCl@ss 11.0	27270906
ETIM 5.0	EC001820
ETIM 6.0	EC001820
ETIM 7.0	EC001820


## Electrical connection

### Connection 1



Type of connection	Cable
Cable length	2,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	4 -wire
Wire cross section	0.2 mm <sup>2</sup>

## Accessories

### Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
	50105546	BT 3B	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
	50117829	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
	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 website in the Download tab of the article detailed page.