

## Technical data sheet

### Single beam safety device receiver

Part no.: 50083133

SLSE 318K/P

#### Contents

- Technical data
- Electrical connection
- Notes
- Accessories



Figure can vary



## Technical data

### Basic data

Series	318
Device type	Receiver

### Characteristic parameters

Type	2, IEC/EN 61496, in combination with a suitable test monitoring unit, e.g. MSI-TR1B
SIL	1, IEC 61508
SILCL	1, IEC/EN 62061, in combination with a suitable test monitoring unit, e.g. MSI-TR1B
Performance Level (PL)	c, EN ISO 13849-1
MTTF <sub>d</sub>	414 years, EN ISO 13849-1
Mission time T <sub>M</sub>	20 years, EN ISO 13849-1
Category	2, EN ISO 13849, In combination with MSI-TRMB safety relay

### Optical data

Opening angle, max.	-5 ... 5°
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### Electrical data

Protective circuit	Polarity reversal protection Short circuit protected Transient protection
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#### Performance data

Supply voltage U <sub>B</sub>	10 ... 30 V, DC
Residual ripple	10 %, From U <sub>B</sub>
Open-circuit current	0 ... 25 mA

#### Outputs

Number of digital switching outputs	2 Piece(s)
Switching current, max.	100 mA

#### Switching outputs

Switching voltage high, min.	28.4 V
Switching voltage low, max.	1.6 V
Voltage type	DC
Switching voltage	high: $\geq(U_B - 1.6V)$ low: $\leq 1.6V$

#### Switching output 1

Switching element	Transistor, PNP
Switching principle	Light switching

#### Switching output 2

Switching element	Transistor, PNP
Switching principle	Dark switching

### Timing

Switching frequency	1,000 Hz
Response time	0.5 ms
Readiness delay	30 ms

### Connection

Number of connections	1 Piece(s)
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#### Connection 1

Function	Signal OUT Voltage supply
Type of connection	Cable
Cable length	2,000 mm
Sheathing material	PVC
Number of conductors	4 -wire
Wire cross section	0.25 mm <sup>2</sup>

### Mechanical data

Design	Cylindrical
Thread size	M18
Dimension (Ø x L)	22 mm x 59 mm
Housing material	Plastic, PA 12
Lens cover material	Plastic
Net weight	90 g
Housing color	Black Red
Type of fastening	Screw type

### Operation and display

Type of display	LED
Number of LEDs	1 Piece(s)

### Environmental data

Ambient temperature, operation	-25 ... 65 °C
Ambient temperature, storage	-40 ... 70 °C

### Certifications

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

### Classification

Customs tariff number	85365019
eCl@ss 8.0	27272701
eCl@ss 9.0	27272701
ETIM 5.0	EC001831
ETIM 6.0	EC001831

## Electrical connection

### Connection 1

Function	Signal OUT
	Voltage supply
Type of connection	Cable
Cable length	2,000 mm
Sheathing material	PVC
Cable color	Black
Number of conductors	4 -wire
Wire cross section	0.25 mm <sup>2</sup>

### Conductor color

### Conductor assignment

Brown	+10...30 V DC
White	GND
Blue	OUT 1
Black	OUT 1

## Notes




### Observe intended use!



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

## Accessories

### Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
	50113548	BT D18M.5	Mounting bracket	Diameter, inner: 18 mm 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: Stainless steel

### Note



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