

Technical data sheet Single beam safety device transmitter

Part no.: 50121914

SLS46CI-40.K28



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Technical data

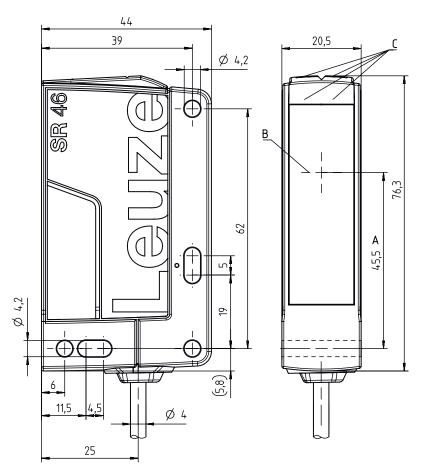


	Timing	
46C	Switching frequency	250 Hz
	Response time	2.5 ms
	Readiness delay	300 ms
Activation input	Connection	
	Number of connections	1 Piece(s)
2, IEC/EN 61496, in combination with a suitable test monitoring unit, e.g. MSI-	Connection 1	
TR1B	Function	Signal IN
1, IEC 61508, in combination with a suitable test monitoring unit, e.g. MSI-	Type of connection	Voltage supply Cable
	• •	2,000 mm
	-	PUR
	-	4 -wire
c, EN ISO 13849-1:2008, In combination	Wire cross section	0.21 mm ²
400 years, EN ISO 13849-1	Mechanical data	
	Design	Cubic
	Dimension (W x H x L)	20.5 mm x 76.3 mm x 44 mm
, ,	Housing material	Plastic, PC-PBT
		Plastic / PMMA
		50 g
		Red
0.5	•	
	• •	Through-hole mounting
	Compatibility of materials	ECOLAB
·	Operation and display	
	operation and display	
1	Type of display	LED
Pulsed	Number of LEDs	2 Piece(s)
-5 5 °	Environmental data	
	Ambient temperature, operation	-30 60 °C
Polarity reversal protection	Ambient temperature, storage	-30 70 °C
	Certifications	
	Dograp of protection	IP 67
24 V, DC, -20 20 %, Incl. residual	begree or protection	IP 69K
ripple	Dretestion class	
10 %, From U _B		 - TÜV/NDTI
0 40 mA	Certifications	c TÜV NRTL US
		C UL US
4.5:	Of a standard standard	TÜV Süd
1 Piece(s)	Standards applied	IEC 60947-5-2, IEC/EN 61496
	Classification	
DC	Customs tariff number	85365019
high: ≥8V		27272701
low: ≤1.5V	_	27272701
8 V		EC001831
1.5 V		EC001831
1 ms	21100 0.0	20001001
10,000 Ω, -30 30 %		
Connection 1, conductor 4		
	Activation input 2, IEC/EN 61496, in combination with a suitable test monitoring unit, e.g. MSI-TR1B 1, IEC 61508, in combination with a suitable test monitoring unit, e.g. MSI-TR1B 1, IEC/EN 62061, in combination with a suitable test monitoring unit, e.g. MSI-TR1B c, EN ISO 13849-1:2008, In combination with MSI-TRMB safety relay 400 years, EN ISO 13849-1 3E-10 per hour 20 years, EN ISO 13849-1 2, EN ISO 13849, In combination with a suitable test monitoring unit, e.g. MSI-TR1B 0.5 40 m 0.5 48 m LED, Infrared 940 nm 1 Pulsed -5 5 ° Polarity reversal protection Short circuit protected 24 V, DC, -20 20 %, Incl. residual ripple 10 %, From U _B 0 40 mA 1 Piece(s) DC high: ≥8V low: ≤1.5V 8 V 1.5 V 1 ms	Activation input Activation input 2. IEC/EN 61496, in combination with a suitable test monitoring unit, e.g. MSI-TR1B 1. IEC/EN 62061, in combination with a suitable test monitoring unit, e.g. MSI-TR1B 1. IEC/EN 62061, in combination with a suitable test monitoring unit, e.g. MSI-TR1B 2. EN ISO 13849-1:2008, In combination with a suitable test monitoring unit, e.g. MSI-TR1B 2. EN ISO 13849-1:2008, In combination with mith MSI-TRMB safety relay 400 years, EN ISO 13849-1 2. EN ISO 13849, In combination with a suitable test monitoring unit, e.g. MSI-TR1B 2. EN ISO 13849, In combination with a suitable test monitoring unit, e.g. MSI-TR1B 0.5 40 m 0.5 40 m 0.5 48 m LED, Infrared 940 nm 1 Pulsed -5 5° Environmental data Ambient temperature, operation Ambient temperature, storage Certifications Degree of protection Protection class Certifications Degree of protection Standards applied Classification Customs tariff number eci@ss 9.0 ETIM 6.0

Dimensioned drawings

Leuze

All dimensions in millimeters



- A Optical axis
- B Transmitter and receiver
- C Green/yellow indicator diodes

Electrical connection

Connection 1

Function	Signal IN
	Voltage supply
Type of connection	Cable
Cable length	2,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	4 -wire
Wire cross section	0.21 mm ²

Conductor color

Conductor assignment

Brown	V+
White	n.c.
Blue	GND
Black	Active

Operation and display

LED	Display	Meaning
1	Green, continuous light	Ready

Operation and display



LED	Display	Meaning
2	Yellow, continuous light	Transmitter activated

Suitable receivers

Part no.	Designation	Article	Description
50121922	SLE46CI-40.K2/4P	Single beam safety device receiver	Response time: 2.5 ms Connection: Cable, 2,000 mm, PUR

Notes



Observe intended use!



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

For UL applications:



- Sertification: UL 508, C22.2 No.14-13
- ∜ Only for use in "class 2" circuits
- 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)

Further information

- Typ. operating range limit: max. attainable range without function reserve
- Operating range: recommended range with function reserve
- Light source: Average life expectancy 100,000 h at an ambient temperature of 25 °C

Accessories

Connection technology - Connection unit

Part no.	Designation	Article	Description	
547958	MSI-TR1B-01	Safety relay		









Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
£13	50105315	BT 46	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
50122797	BTU 346M-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 Type of mounting device: Turning, 360°, Adjustable, Clampable Material: Metal

Muting - Mounting systems

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	Part no.	Designation	Article	Description
ST:	50117252	BTU 300M-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 M4 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.