

the sensor people





Part no.: 50126332 SLE46CI-40.K4/4P-M12 Single beam safety device receiver















Contents

- Technical data
- Suitable transmitters
- Dimensioned drawings
- Electrical connection
- · Operation and display
- Accessories
- Notes





Technical data

Series 486 Functions Functions Characteristic parameters Type 4. IEC/EN 61496 Performance Level (PL) e. EN ISO 13849-1:2008, in combination with MSI-TRME-01 or MSI-TRMB-02 safety relay MITFa 900 years. EN ISO 13849-1 Mission time TN 20 years. EN ISO 13849-1 Category 4. EN ISO 13849-108, in combination with MSI-TRME-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V, DC, -20 20 %, inc. residual ripple Residual ripple 10 %, From Us Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching voltage Ingin. min. 22 V Switching voltage Ingin. min. 24 V Switching voltage Ingin. min. 25 V Switching voltage Ingin. min. 26 V Switching voltage Ingin. min. 27 V Switching voltage Ingin. min. 29 V Voltage type DC Switching current. max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Transistor, PNP Switching element Transistor, PNP Switching element Transistor, PNP Switching element Transistor, PNP Switching rinciple Light switching Function Switching output 1 Switching rinciple Light switching Function Switching output 1 Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Basic data				
Functions Diagnostic output Alignment indicator Characteristic parameters Type 4. IEC/EN 81498 Performance Level (PL) e, EN ISO 13849-1 2008, in combination with MSI-TRMB-01 or MSI-TRMB-20 safety relay MITTF 900 years, EN ISO 13849-1 20 years, EN ISO 13849-1 Category 4. EN ISO 13849-2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V, DC, -20 20 %, Incl. residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs Switching outputs Switching voltage flow, max. 2 V Switching voltage flow, max. 2 V Voltage type DC Switching output 7 Assignment Connection 1, pin 2 Switching principle Punction Diagnostic output Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Transistor, PNP Switching principle Light switching Function Switching principle Light switching Light switching Light switching Function Switching output Timing Switching frequency 250 Hz Readiness delay 300 ms		46C			
Functions Diagnostic output Alignment indicator Characteristic parameters Type 4. IEC/EN 81498 Performance Level (PL) e, EN ISO 13849-1 2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay MITTF 900 years, EN ISO 13849-1 20 years, EN ISO 13849-1 Category 4. EN ISO 13849-2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V, DC, -20 20 %, incl. residual ripple 10 %, From UB Open-circuit current Outputs Number of digital switching outputs Switching outputs Switching voltage high, min. 22 V Switching voltage high, min. 22 V Switching voltage you, max. 2 V Voltage type DC Switching current, max. 100 mA Switching current, max. 100 mA Switching quitput 1 Assignment Connection 1, pin 2 Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Transistor, PNP Switching principle Light switching Function Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Readiness delay 300 ms Connection					
Functions Diagnostic output Alignment indicator Characteristic parameters Type 4. IEC/EN 81498 Performance Level (PL) e, EN ISO 13849-1 2008, in combination with MSI-TRMB-01 or MSI-TRMB-20 safety relay MITTF 900 years, EN ISO 13849-1 20 years, EN ISO 13849-1 Category 4. EN ISO 13849-2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V, DC, -20 20 %, Incl. residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs Switching outputs Switching voltage flow, max. 2 V Switching voltage flow, max. 2 V Voltage type DC Switching output 7 Assignment Connection 1, pin 2 Switching principle Punction Diagnostic output Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching pelment Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Transistor, PNP Switching principle Light switching Function Switching principle Light switching Light switching Light switching Function Switching output Timing Switching frequency 250 Hz Readiness delay 300 ms	Functions				
Characteristic parameters Type 4, IEC/EN 61496 Performance Level (PL) e. EN ISO 13849-12008, In combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay MITFd 900 years, EN ISO 13849-1 Mission time T _M 20 years, EN ISO 13849-1 Category 4, EN ISO 13849-1 Category 4, EN ISO 13849-1 Electrical date Performance data Supply voitage 24 V, DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching voitage low, max. 2 V Switching voitage low, max. 2 V Switching voitage lyp. 23 3 V Voitage type DC Switching voitage typ. 23 3 V Voitage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching output 1 Assignment Connection 1, pin 2 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 1 Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 3, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 3, pin 4 Switching output 2 Assignment Connection 3, pin 4 Switching output 3 Switching output 3 Switching output 4 Switching output 3 Switching output 4 Switching output 3 Switching output 4 Switching output 4 Switching output 5 Switching output 6 Switching output 7 Switching output 8 Switchin		Diagnostic output			
Type 4, IEC/EN 61496 Performance Level (PL) e, EN ISO 13849-1:2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay MITTrd 900 years, EN ISO 13849-1 Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849-2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V. DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs 2 Piece(s) Number of digital switching outputs 2 Piece(s) Switching output 2 V Switching voltage low, max 2 V Switching voltage low, max 2 V Switching voltage, typ. 23 V Voltage type DC Switching autput 1 Assignment Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching principle Light switching <td></td> <td>Alignment indicator</td>		Alignment indicator			
Type 4, IEC/EN 61496 Performance Level (PL) e, EN ISO 13849-1:2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay MITTrd 900 years, EN ISO 13849-1 Mission time TM 20 years, EN ISO 13849-1 Category 4, EN ISO 13849-2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Electrical data Performance data Supply voltage 24 V. DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs 2 Piece(s) Number of digital switching outputs 2 Piece(s) Switching output 2 V Switching voltage low, max 2 V Switching voltage low, max 2 V Switching voltage, typ. 23 V Voltage type DC Switching autput 1 Assignment Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching principle Light switching <td></td> <td></td>					
Performance Level (PL) e. EN ISO 13849-1:2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay MITTr 900 years, EN ISO 13849-1 Category 4. EN ISO 13849-1 Category Category 4. EN ISO 13849-1 Category 4. EN ISO 13849-1 Category 4. EN ISO 13849-1 Category Category 4. EN ISO 13849-1 Category 4. EN ISO 13849-1 Category 4. EN ISO 13849-1 Category Category Category 4. EN ISO 13849-1 Category Ca	Characteristic parameters				
TRMB-02 safety relay	Туре	4, IEC/EN 61496			
Mission time TM 20 years, EN ISO 13849-10 4. EN ISO 13849:2008, In combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay **Performance data** **Supply voltage	Performance Level (PL)				
Category 4, EN ISO 13849:2008, in combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay Ferformance data Supply voltage 24 V, DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching voltage ligh, min. 22 V Switching voltage low, max. 2 V Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching pinciple Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 5 Switching output 5 Switching output 6 Switching output 7 Switching output 8 Switching output 9 Switching output 9 Switching output 1 Switching output 1 Switching output 2 Assignment Connection 1, pin 4 Switching output 5 Switching output 9 Switchin	MTTF _d	900 years, EN ISO 13849-1			
Electrical data Performance data Supply voltage 24 V, DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching voltage high, min. 22 V Switching voltage low, max. 2 V Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Transistor, PNP Switching output 2 Assignment Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Transistor, PNP Switching output 2 Assignment Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assign	Mission time $T_{\mbox{\scriptsize M}}$	20 years, EN ISO 13849-1			
Performance data Supply voltage 24 V, DC, -20 20 %, Incl. residual ripple Residual ripple 10 %, From UB Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching voltage high, min. 22 V Switching voltage low, max. 2 V Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output 5 Switching output 6 Switching output 7 Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Category	4, EN ISO 13849:2008, In combination with MSI-TRMB-01 or MSI-TRMB-02 safety relay			
Supply voltage	Electrical data				
Residual ripple 10 %, From Ug Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Switching voltage high, min. 22 V Switching voltage low, max. 2 V Switching voltage low, max. 100 mA Switching current, max. 100 mA Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output Transistor, PNP Switching output 2 Assignment Transistor, PNP Switching output 3	Performance data				
Residual ripple 10 %, From Ug Open-circuit current 0 15 mA Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Switching voltage high, min. 22 V Switching voltage low, max. 2 V Switching voltage low, max. 100 mA Switching current, max. 100 mA Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output Transistor, PNP Switching output 2 Assignment Transistor, PNP Switching output 3	Supply voltage	24 V, DC, -20 20 %, Incl. residual ripple			
Outputs Number of digital switching outputs 2 Piece(s) Switching outputs Switching voltage high, min. 22 V Switching voltage, typ. 23 V Voltage type DC Switching output 1 Doma Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Residual ripple	10 %, From U _B			
Number of digital switching outputs Switching outputs Switching voltage high, min. 22 V Switching voltage low, max. 2 V Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching element Transistor, PNP Switching output Dignostic output Switching element Transistor, PNP Switching output Dignostic output Switching element Transistor, PNP Switching output Dignostic output Switching element Transistor, PNP Switching friequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Open-circuit current	0 15 mA			
Switching outputs Switching voltage high, min. Switching voltage low, max. 2 V Switching voltage, typ. 23 V Voltage type DC Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching output 2 Assignment Switching output 2 Assignment Switching output 2 Assignment Switching output 2 Assignment Switching output 2 Switching output 2 Switching output 2 Switching element Transistor, PNP Switching output 2 Switching output 2 Switching output 2 Switching element Switching element Switching element Switching output	Outputs				
Switching voltage high, min. Switching voltage low, max. Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching output 2 Assignment Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Light switching Function Switching output 2 Assignment Switching element Transistor, PNP Switching output 2 Assignment Switching output 5 Switching element Transistor, PNP Switching element Switching output Transistor, PNP Switching frinciple Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Number of digital switching outputs	2 Piece(s)			
Switching voltage low, max. Switching voltage, typ. 23 V Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching orinciple Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching output 2 Assignment Connection 1, pin 4 Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching outputs				
Switching voltage, typ. Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching element Transistor, PNP Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching voltage high, min.	22 V			
Voltage type DC Switching current, max. 100 mA Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching voltage low, max.	2 V			
Switching current, max. Switching output 1 Assignment Connection 1, pin 2 Switching principle Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Connection 1, pin 4 Switching element Transistor, PNP Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching voltage, typ.	23 V			
Switching output 1 Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Voltage type	DC			
Assignment Connection 1, pin 2 Switching element Transistor, PNP Switching principle Dark switching Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching current, max.	100 mA			
Switching element Switching principle Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching output 1				
Switching principle Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Readiness delay Connection Connection	Assignment	Connection 1, pin 2			
Function Diagnostic output Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching element	Transistor, PNP			
Switching output 2 Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching principle	Dark switching			
Assignment Connection 1, pin 4 Switching element Transistor, PNP Switching principle Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Function	Diagnostic output			
Switching element Transistor, PNP Light switching Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Switching output 2				
Switching principle Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms	Assignment	Connection 1, pin 4			
Function Switching output Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms Connection	Switching element	Transistor, PNP			
Timing Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms Connection	Switching principle	Light switching			
Switching frequency 250 Hz Response time 2.5 ms Readiness delay 300 ms Connection	Function	Switching output			
Response time 2.5 ms Readiness delay 300 ms Connection	Timing				
Readiness delay 300 ms Connection	Switching frequency				
Connection	Response time				
	Readiness delay	300 ms			
	Connection				
	Number of connections	1 Piece(s)			



Connection 1				
Type of connection	Connector	Connector		
Function	Signal OUT Voltage supply			
Thread size	M12			
Material	Plastic			
No. of pins	4 -pin			

Mechanical data				
Design	Cubic	Cubic		
Dimension (W x H x L)	20.5 mm x 76.3 mm x 44 mm	20.5 mm x 76.3 mm x 44 mm		
Housing material	Plastic, PC-PBT			
Lens cover material	Plastic / PMMA	Plastic / PMMA		
Net weight	50 g			
Housing color	Yellow			
Type of fastening	Through-hole mounting			
Compatibility of materials	ECOLAB			

Operation and display		
Type of display	LED	
Number of LEDs	2 Piece(s)	

Environmental data		
Ambient temperature, operation	-30 60 °C	
Ambient temperature, storage	-30 70 °C	

Certifications				
Degree of protection	IP 69K IP 67			
Protection class	III, Rating voltage 50 V			
Certifications	c UL US c TÜV NRTL US			
Standards applied	IEC 60947-5-2, IEC/EN 61496			

Classification	
eCl@ss 8.0	27272701
eCl@ss 9.0	27272701
ETIM 5.0	EC001831

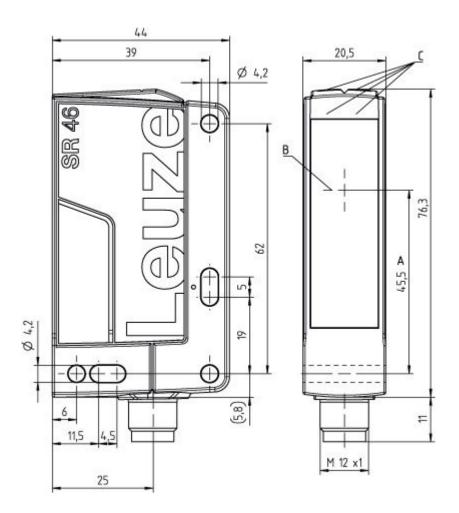
Suitable transmitters

P	Part no.	Designation	Article	Description
501	126550		safety device transmitter	Operating range: 0.25 40 m Operating range limit: 0.25 48 m Light source: LED, Infrared Response time: 2.5 ms Connection: Connector, M12, Plastic, 4 -pin



Dimensioned drawings

All dimensions in millimeters



Optical axis

Transmitter and receiver

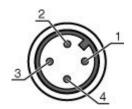
A B C Green/yellow indicator diodes

Electrical connection

Connection 1	
Type of connection	Connector
Function	Signal OUT Voltage supply
Thread size	M12
Type Male	
Material	Plastic
No. of pins	4 -pin
Encoding	A-coded



Pin	Pin assignment	Conductor color
1	+24V	Brown
2	Diagnosis	White
3	GND	Blue
4	OUT	Black



Operation and display

LEDs

LED	Display	Meaning
1	Green, continuous light	Ready
2	Yellow, continuous light	Light path free

Accessories

Connection technology - Connection cables

Part no.	Designation	Article	Description
50130654	KD U-M12-4A- P1-020	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PUR
50130657	KD U-M12-4A- P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR
50130658	KD U-M12-4A- P1-100	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 10,000 mm Sheathing material: PUR
50130648	KD U-M12-4A- V1-020	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PVC
50130652	KD U-M12-4A- V1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC



Part no.	Designation	Article	Description
50130653	KD U-M12-4A- V1-100	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 10,000 mm Sheathing material: PVC
50132431	KD U-M12-4A- V1-200	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 20,000 mm Sheathing material: PVC
50132430	KD U-M12-4A- V1-300	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 30,000 mm Sheathing material: PVC
50130692	KD U-M12-4W- P1-020	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PUR
50130694	KD U-M12-4W- P1-050	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PUR
50130695	KD U-M12-4W- P1-100	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 10,000 mm Sheathing material: PUR
50130688	KD U-M12-4W- V1-020	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 2,000 mm Sheathing material: PVC
50130690	KD U-M12-4W- V1-050	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC
50130691	KD U-M12-4W- V1-100	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 10,000 mm Sheathing material: PVC
50132641	KD U-M12-4W- V1-200	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 4 -pin Connection 2: Open end Shielded: No Cable length: 20,000 mm Sheathing material: PVC



Mounting technology - Mounting brackets

	Part no.	Designation	Article	Description
	50118543	BT 300M.5	Mounting bracket	Design of mounting device: Angle, L-shape Mounting bracket, at system: Through-hole mounting Mounting bracket, at device: Screw type Type of mounting device: Adjustable Material: Stainless steel
E	50105315	BT 46	Mounting device	Design of mounting device: Angle, L-shape Mounting bracket, 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
50117253	BTU 300M-D10	Mounting system	Contains: 2x M4 x 25 screw, 2x M4 x 20 screw, 4x position washers Design of mounting device: Mounting system Mounting bracket, at system: For 10 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal
50117252	BTU 300M-D12	Mounting system	Contains: 2x M4 x 25 screw, 2x M4 x 20 screw, 4x position washers Design of mounting device: Mounting system Mounting bracket, at system: For 12 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal
50117251	BTU 300M-D14	Mounting system	Contains: 2x M4 x 25 screw, 2x M4 x 20 screw, 4x position washers Design of mounting device: Mounting system Mounting bracket, at system: For 14 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Metal
50120425	BTU 300M.5-D12	Mounting system	Contains: 2x M4 x 25 screw, 2x M4 x 20 screw, 2x position washers, 2x M4 mounting nut Design of mounting device: Mounting system Mounting bracket, at system: For 12 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Adjustable, Turning, 360° Material: Stainless steel
50119332	BTU 900M-D10	Mounting system	Contains: 2x M4 x 10 screw, 2x position washers Design of mounting device: Mounting system Mounting bracket, at system: For 10 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Turning, 360°, Swiveling Material: Metal
50119331	BTU 900M-D12	Mounting system	Contains: 2x position washers, 2x M4 x 10 screw Design of mounting device: Mounting system Mounting bracket, at system: For 12 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Turning, 360°, Swiveling Material: Metal



1	Part no.	Designation	Article	Description
50	50119330	BTU 900M-D14	Mounting system	Contains: 2x position washers, 2x M4 x 10 screw Design of mounting device: Mounting system Mounting bracket, at system: For 14 mm rod, Sheet-metal mounting Mounting bracket, at device: Screw type Type of mounting device: Clampable, Turning, 360°, Swiveling Material: Metal

Mounting technology - Other

Part no.	Designation	Article	Description
50136665	BTX 046M		Contains: 2x M4 x 30 screw, 1 M4 x 12 screw Design of mounting device: Mounting plate Mounting bracket, at system: Through-hole mounting Mounting bracket, at device: Screw type Material: Metal

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.

ATTENTION!

- The SLS46CK4 safety sensors are a type 4 AOPD only in combination with the MSI-TRM safety relays.
- For mounting, electrical connection and operation, the operating instructions of the MSI-TRM safety relays are to be observed.

For UL applications:

- Certification: 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)
- Light source: Average life expectancy 100,000 h at an ambient temperature of 25 °C