

WSU26/3-103A00S01 WSU/WEU26-3

SAFETY SINGLE-BEAM SENSORS





Ordering information

Scanning range	System part	Туре	Part no.
70 m	Sender	WSU26/3-103A00S01	1089126

Other models and accessories → www.sick.com/WSU_WEU26-3



Detailed technical data

Features

Type of light	Infrared light
Scanning range	70 m
Dimension of the light path	15 m 70 m
Number of beams	1
Detection capability	30 mm
Front screen heating	✓
Synchronization	Optical synchronisation

Safety-related parameters

Туре	Type 4 (IEC 61496-1)
Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
B _{10d} parameter	1 x 10^6 switching cycles (DC-13, 24 V, 0.6 A), 2 x 10^5 switching cycles (DC-13, 24 V, 1.5 A)
$\ensuremath{PFH_D}$ (mean probability of a dangerous failure per hour)	4.0 x 10 ⁻⁹ (EN ISO 13849)
T_{M} (mission time)	20 years (EN ISO 13849)

Interfaces

Connection type	Male connector M12, 8-pin
Display elements	LEDs

Electrical data

Protection class	I (EN 50178)
Supply voltage V _S	24 V DC (19.2 V DC 28.8 V DC)
Power consumption	≤ 6 W
Switch-on time	≤ 10 s ¹⁾

 $^{^{1)}}$ Upon applying the supply voltage.

Test input Volt-free N

¹⁾ Upon applying the supply voltage.

Mechanical data

Design	Rectangular
Dimensions (W x H x D)	50 mm x 156 mm x 116 mm
Housing material	Aluminum die cast
Front screen material	Polycarbonate, scratch-resistant coating
Weight	≤ 1 kg

Ambient data

Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	-25 °C +55 °C
Storage temperature	-25 °C +70 °C
Air humidity	15 % 95 %, Non-condensing
Vibration resistance	5 g, 10 Hz 55 Hz (IEC 60068-2-6)
Shock resistance	10 g, 16 ms (IEC 60068-2-29)

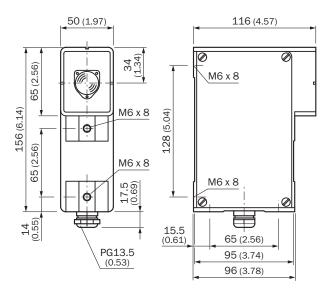
Other information

Type of light	Infrared light
Wave length	850 nm

Classifications

ECLASS 5.0	27272701
ECLASS 5.1.4	27272701
ECLASS 6.0	27272701
ECLASS 6.2	27272701
ECLASS 7.0	27272701
ECLASS 8.0	27272701
ECLASS 8.1	27272701
ECLASS 9.0	27272701
ECLASS 10.0	27272701
ECLASS 11.0	27272701
ECLASS 12.0	27272701
ETIM 5.0	EC001831
ETIM 6.0	EC001831
ETIM 7.0	EC001831
ETIM 8.0	EC001831
UNSPSC 16.0901	46171620

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

Other models and accessories → www.sick.com/WSU_WEU26-3

	Brief description	Туре	Part no.	
Alignment aid	Alignment aids			
	Laser alignment aid for various sensors, laser class 2 (IEC 60825). Do not look into the beam!, 19 mm x 67.3 mm x 66.9 mm	AR60	1015741	
	Adapter AR60 for WSU/WEU26-3 and WSU/WEU26/2	AR60 adapter, WSU/WEU26	4031156	
Deflector mir	rors			
	Horizontal deflection, 75 mm x 80 mm reflector surface, Glass, Incl. mounting kit (2 x swivel mount)	PNS75-008	1026647	
1 plant	Horizontal deflection, 96 mm x 124 mm reflector surface, Glass	PSK1	1005229	
	Deflector mirror for 90 $^\circ$ deflection, mirror surface 97 mm x 80 mm, not suitable for column mounting, Glass, mounting hardware included	PSK45	5306053	
Test and mor	Test and monitoring tools			
	30 mm diameter, 250 mm length	Test rod 30 mm	2022602	
Mounting bra	Mounting brackets and plates			
	Bracket, face side mounting position	BEF-4WNAEFAL1	2007900	

	Brief description	Туре	Part no.
	Spring mounting for PSK1 deflector mirror	BEF-4AAAAHST3	2012473
Plug connect	ors and cables		
	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2.5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18-025UA5XLEAX	2099229
	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18-050UA5XLEAX	2095653
	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 7.5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18-075UA5XLEAX	2099230
	 Connection type head A: Female connector, M12, 8-pin, straight, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YF2A18-100UA5XLEAX	2095654
	 Connection type head A: Female connector, M12, 8-pin, angled, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YG2A18-020UA5XLEAX	2095779
	 Connection type head A: Female connector, M12, 8-pin, angled, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YG2A18-050UA5XLEAX	2095780
	 Connection type head A: Female connector, M12, 8-pin, angled, A-coded Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 8-wire, PUR, halogen-free Description: Sensor/actuator cable, unshielded Application: Zones with oils and lubricants, Drag chain operation, Robot 	YG2A18-100UA5XLEAX	2095781

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