



WSU26/3-103A00

WSU/WEU26-3

SINGLE-BEAM PHOTOELECTRIC SAFETY SWITCHES

SICK
Sensor Intelligence.



Ordering information

Scanning range	System part	Type	Part no.
70 m	Sender	WSU26/3-103A00	1047984

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



Detailed technical data

Features

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

Safety-related parameters

Type	Type 4 (IEC 61496-1)
Safety integrity level	SIL3 (IEC 61508) SILCL3 (EN 62061)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
B_{10d} parameter	1 x 10 ⁶ switching cycles (AC-15, 230 V, 0.4 A), 2.6 x 10 ⁵ switching cycles (AC-15, 230 V, 2.0 A), 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)
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)
Safe state in the event of a fault	At least one OSSD is in the OFF state.

Interfaces

Connection type	PG gland (13,5)
Display elements	LEDs
Fieldbus, industrial network	CANopen ¹⁾ DeviceNet™ EtherCAT® EtherNet/IP™ Modbus TCP
Integration via Flexi Soft safety controller	

¹⁾ For additional information on Flexi Soft -> www.sick.com/Flexi_Soft.

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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⁾
Test input	Volt-free N/C contact

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	IEC 60068-2-6
Shock resistance	10 g, 16 ms (IEC 60068-2-29)

Other information

Type of light	Infrared light
Wave length	950 nm

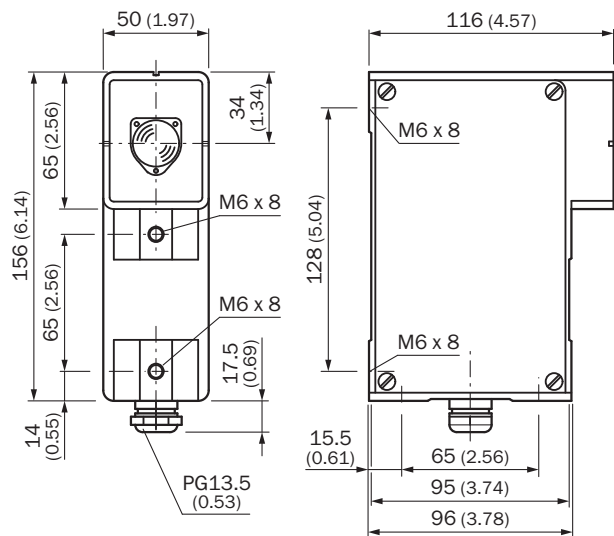
Classifications

ECl@ss 5.0	27272701
ECl@ss 5.1.4	27272701
ECl@ss 6.0	27272701
ECl@ss 6.2	27272701
ECl@ss 7.0	27272701
ECl@ss 8.0	27272701
ECl@ss 8.1	27272701
ECl@ss 9.0	27272701
ECl@ss 10.0	27272701
ECl@ss 11.0	27272701
ETIM 5.0	EC001831
ETIM 6.0	EC001831
ETIM 7.0	EC001831

UNSPSC 16.0901





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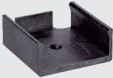




Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

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

Brief description		Type	Part no.
Mounting brackets and plates			
	Bracket, face side mounting position	BEF-4WNAEFAL1	2007900
	Spring mounting for PSK1 deflector mirror	BEF-4AAAAHST3	2012473
Terminal and alignment brackets			
	Bracket for PSK1 deflector mirror	BEF-4GHAAHAL1	2009292
Adapters and distributors			
	PG expansion with 2 cable entries PG21	Two-way splitter	5305978
	Adapter for cable entry from PG 13 to PG 21	PG extension for PG13 to PG21	5306052
Alignment aids			
	Laser alignment aid for various sensors, laser class 2 (IEC 60825). Do not look into the beam!	AR60	1015741

	Brief description	Type	Part no.
	Adapter AR60 for WSU/WEU26-3 and WSU/WEU26/2	AR60 adapter, WSU/WEU26	4031156
Deflector mirrors			
	Horizontal deflection, 75 mm x 80 mm reflector surface, Glass, Incl. mounting kit (2 x swivel mount)	PNS75-008	1026647
	Horizontal deflection, 96 mm x 124 mm reflector surface, Glass	PSK1	1005229
	Deflector mirror for 90° deflection, mirror surface 97 mm x 80 mm, not suitable for column mounting, Glass, mounting hardware included	PSK45	5306053
Test and monitoring tools			
	30 mm diameter	Test rod 30 mm	2022602

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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