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DATA SHEET

WSU26/3-103A00

WSU/WEU26-3
Safety single-beam sensors

SICK Sensor Intelligence



SAFETY SINGLE-BEAM SENSORS

WSU26/3-103A00

ORDERING INFORMATION

Type	part no.
WSU26/3-103A00	1047984

Further device versions and accessories at www.sick.com/WSU_WEU26-3

DETAILED TECHNICAL DATA

FEATURES

Type of light	Infrared light
Scanning range	70 m
Dimension of the light path	0.5 m ... 70 m
Number of beams	1
Detection capability	30 mm
Front screen heating	✓
Synchronization	Optical synchronization

SAFETY-RELATED PARAMETERS

Type	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	1×10^6 switching cycles (AC-15, 230 V, 0.4 A), 2.6×10^5 switching cycles (AC-15, 230 V, 2.0 A), 1×10^6 switching cycles (DC-13, 24 V, 0.6 A), 2×10^5 switching cycles (DC-13, 24 V, 1.5 A)
PFH_D (mean probability of a dangerous failure per hour)	4.0×10^{-9} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

INTERFACES

Connection type	PG gland (13,5)
Display elements	LEDs

ELECTRONICS

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.

MECHANICS

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 60068-2-27)

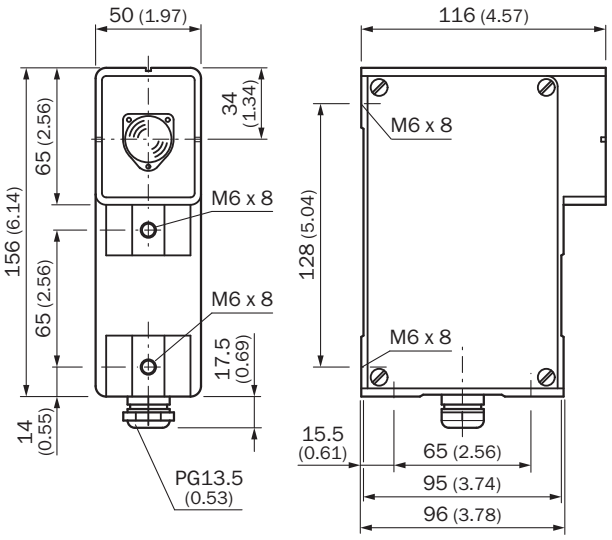
OTHER INFORMATION

Type of light	Infrared light
Wave length	850 nm

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓
cTUVus certificate	✓
EC-Type-Examination approval	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1047984

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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