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DATA SHEET

SYS/SGD-W4100000002W4F

Safeguard Detector
Safety systems for automating material flows

SICK Sensor Intelligence



SAFETY SYSTEMS FOR AUTOMATING MATERIAL FLOWS

SYS/SGD-W4100000002W4F

ORDERING INFORMATION

Type	part no.
SYS/SGD-W4100000002W4F	1129653

Further device versions and accessories at www.sick.com/Safeguard_Detector

DETAILED TECHNICAL DATA

FEATURES

Safety task	Natural protection due to the material
Product scope	Sensors
Detection zone	30 mm ... 100 mm [1]
Items supplied	2 × WTB4F MultiPulse sensor 100 mm

[1] If no movable physical guard is identified in the detection zone, the safety controller prompts the machine to enter the safe state.

MULTIPULSE PHOTOELECTRIC PROXIMITY SENSOR

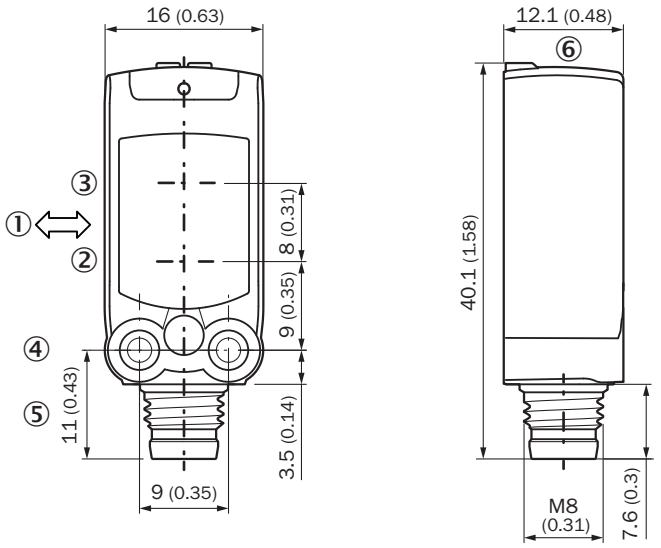
Number of sensors	2 pieces
Detection zone	30 mm ... 100 mm [1]
Remission	6 % ... 90 %
Pulse frequency	10 Hz
Response time	≤ 100 ms
Type of light	Visible red light
Wave length	650 nm
Light spot size (distance)	Ø 7 mm (50 mm)
Connection type	Connector M8, 3-pin
Voltage supply	Via safety controller
Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	–40 °C ... +60 °C

[1] If no movable physical guard is identified in the detection zone, the safety controller prompts the machine to enter the safe state.

CERTIFICATES

China RoHS	✓

DIMENSIONAL DRAWING



Dimensions in mm (inch)
① Standard direction of the material being detected
② Center of optical axis, sender
③ Center of optical axis, receiver
④ M3 mounting hole
⑤ Connection
⑥ display and adjustment elements

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/1129653

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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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