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DATA SHEET

WT4-2P132

Photoelectric sensors

SICK

Sensor Intelligence



Illustration may differ

PHOTOELECTRIC SENSORS

WT4-2P132

ORDERING INFORMATION

Type	part no.
WT4-2P132	1015150

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

DETAILED TECHNICAL DATA

FEATURES

Functional principle	Photoelectric proximity sensor
Functional principle detail	Background suppression
Dimensions (W x H x D)	16 mm x 32 mm x 12 mm
Housing design (light emission)	Rectangular
Sensing range max.	4 mm ... 130 mm ¹⁾
Sensing range	4 mm ... 130 mm ¹⁾
Type of light	Visible red light
Light source	LED
Adjustment	Cable Single teach-in button

¹⁾ Object with 90% remission (based on standard white, DIN 5033).

MECHANICS/ELECTRONICS

Supply voltage	10 V DC ... 30 V DC
Current consumption	20 mA ¹⁾
Switching output	PNP
Switching mode	Light switching
Response time	< 500 µs ²⁾
Connection type	Cable, 2 m ³⁾
Conductor cross section	0.25 mm ²
Housing material	Plastic, ABS
Optics material	Plastic, PMMA

¹⁾ Without load.

²⁾ Signal transit time with resistive load.

³⁾ Do not bend below 0 °C.

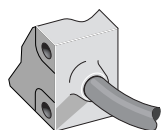
Enclosure rating	IP67
Ambient operating temperature	-40 °C ... +60 °C
Ambient temperature, storage	-40 °C ... +75 °C

¹⁾ Without load.

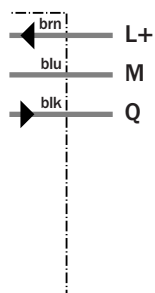
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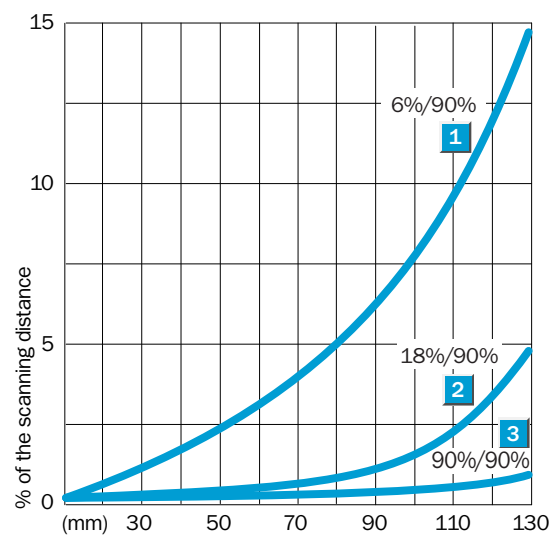
CONNECTION TYPE



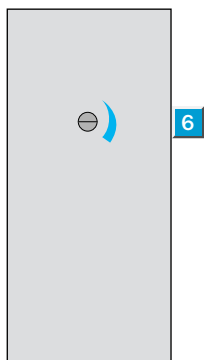
CONNECTION DIAGRAM



CHARACTERISTIC CURVE

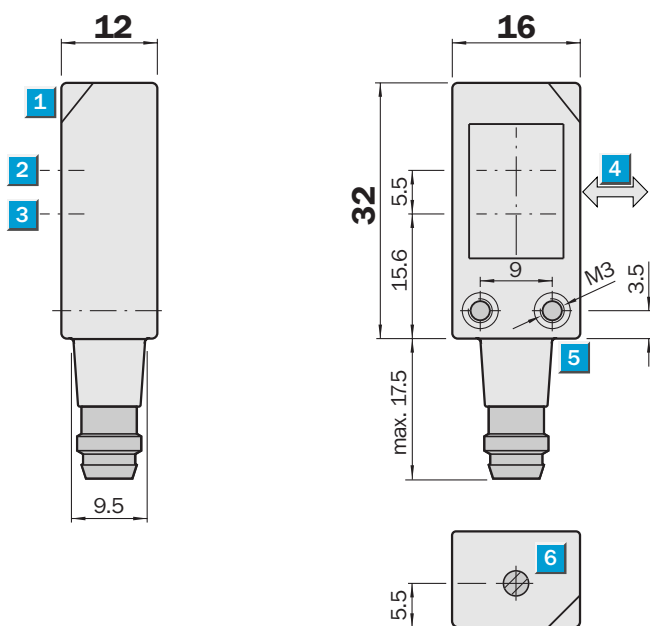


ADJUSTMENTS



⑥ Adjustment of sensing range

DIMENSIONAL DRAWING



Dimensions in mm (inch)

- ① LED signal strength indicator
- ② Optical axis, receiver
- ③ Optical axis, sender
- ④ Standard direction of the material being detected
- ⑤ Threaded mounting hole M3
- ⑥ Adjustment of sensing range

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/1015150



SICK AG
WALDKIRCH
GERMANY
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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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