WT18-3A600S02

WT18-3A600S02

Ordering information

Type	Part no.
WT18-3A600S02	1026562

Other models and accessories ➜ www.sick.com/

Illustration may differ

Detailed technical data

Features

Sensor/ detection principle	Photoelectric proximity sensor, Background suppression
Dimensions (W x H x D)	17.6 mm x 75.5 mm x 33.5 mm
Housing design (light emission)	Rectangular
Sensing range max.	50 mm ... 100 mm [1]
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Type of light	Infrared light
Light source	LED
Adjustment	Potentiometer

[1] Object with 90 % reflectance (referred to standard white, DIN 5033).

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	< 5 V_{pp}
Power consumption	20 mA [1]
Switching output	PNP NPN
Switching mode	Dark switching
Response time	< 500 µs [2]
Connection type	Connector Q6, 6-pin, DC-coding
Special device	✔
Housing material	Plastic, ABS
Optics material	Plastic, PMMA
Enclosure rating	IP65
Ambient operating temperature	−40 °C ... +60 °C

[1] Without load.
[2] Signal transit time with resistive load.

Ambient storage temperature	−40 °C … +70 °C
UL File No.	NRKH.E181493 & NRKH7.E181493

[1] Without load.

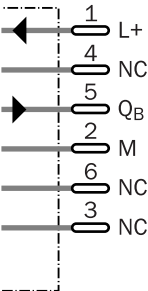[2] Signal transit time with resistive load.
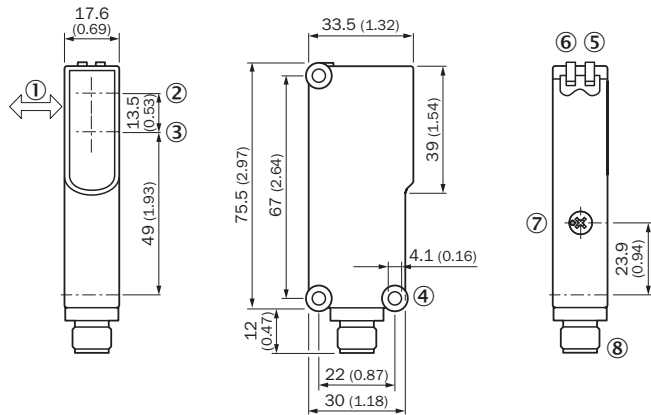
Adjustments possible

Potentiometer
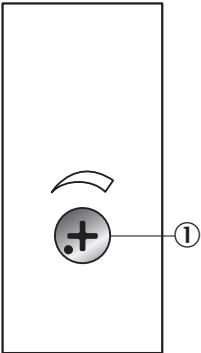
① Setting of the sensing range: potentiometer, 4 revolutions

Connection diagram

Dimensional drawing (Dimensions in mm (inch))

WT18-3, potentiometer

① Standard direction of the material being detected
② Center of optical axis, sender
③ Center of optical axis, receiver
④ Mounting hole ø 4.1 mm
⑤ LED indicator yellow: Status of received light beam
⑥ LED indicator green: Supply voltage active
⑦ Setting of the sensing range: potentiometer, 4 revolutions
⑧ 4-pin M12 male connector or 2 m cable or 6-pin cubic connector

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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.

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