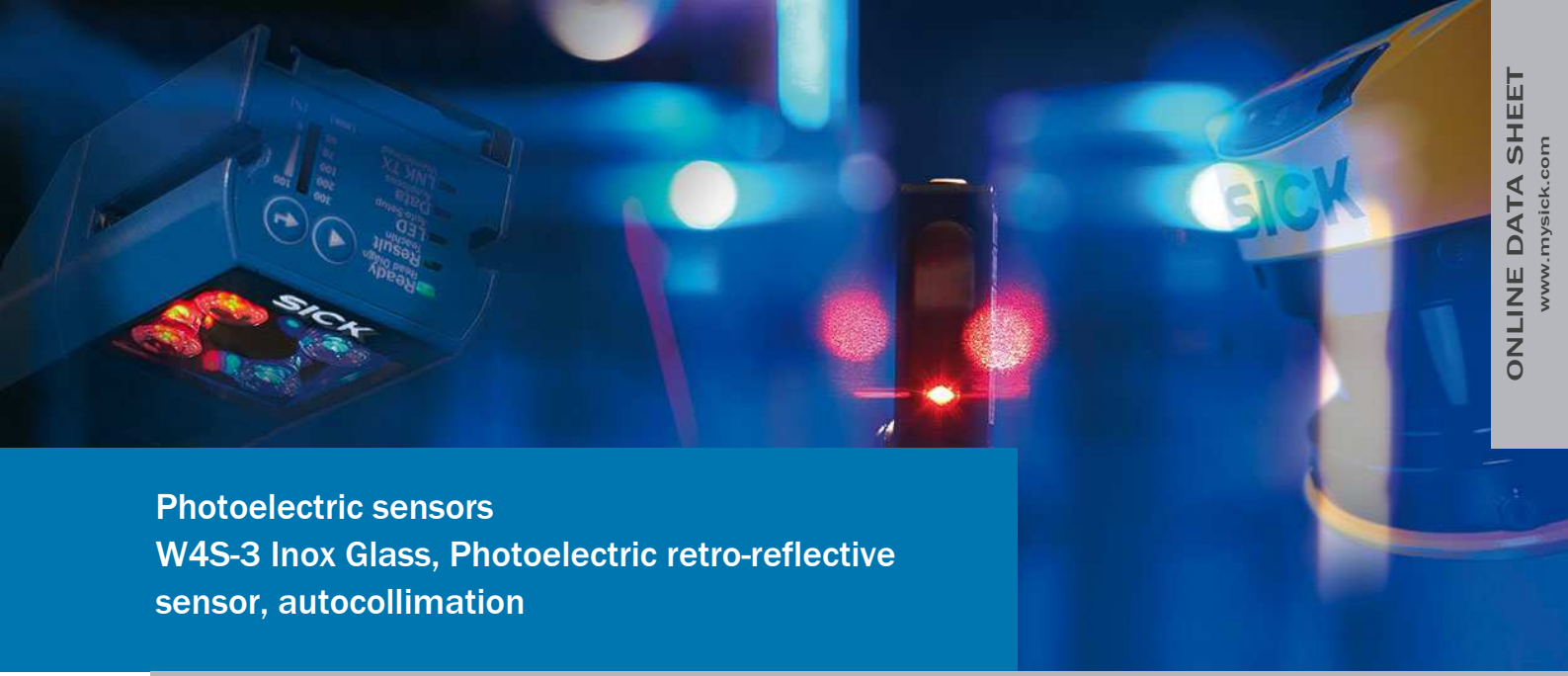


ONLINE DATA SHEET
www.mysick.com

Photoelectric sensors
W4S-3 Inox Glass, Photoelectric retro-reflective sensor, autocollimation

WLG4S-3P2232V



SICK
Sensor Intelligence.

Photoelectric sensors
W4S-3 Inox Glass, Photoelectric retro-reflective sensor, autocollimation

Model Name > WLG4S-3P2232V
Part No. > 1046446



Illustration may differ

At a glance

- IP 66, IP 67, IP 68 and IP 69K enclosure rating and Ecolab certified
- Tough stainless steel housing (316L/1.4404)
- Resistant to a variety of common cleaning and disinfection agents
- Modern electrical connection available - M12 connector with pin casting
- PinPoint LED technology provides a highly visible laser-like light spot
- Teach-in via stainless steel pushbutton with a metal membrane
- Continuous threshold adjustment technology reliably detects objects in changing conditions

Your benefits

- Long service life in harsh conditions ensures less downtime and fewer replacement costs
- Reliable detection of all materials, including transparent objects in the pharmaceutical, packaging, and food and beverage industries
- Easy adjustment via a stainless steel metal membrane teach-in pushbutton
- Quick and easy alignment due to highly visible PinPoint emitter LED
- Remote monitoring and quick diagnostics via IO-Link (optional)

Features

Sensor/detection principle:	Photoelectric retro-reflective sensor, autocollimation
Dimensions (W x H x D):	15.25 mm x 44.9 mm x 22.2 mm
Housing design:	Washdown
Housing design (light emission):	Rectangular
Sensing range max.:	0 m ... 5 m [1]
Sensing range:	0 m ... 3 m [2]
Type of light:	Visible red light
Light source:	PinPoint LED [3]
Wave length:	650 nm
Teach-in:	Single teach-in button
Adjustment:	Teach-in
Light spot size (distance):	Ø 45 mm (1.5 m)
Continuous threshold adaption:	✓

1) 2) PL80A 3) Average service life of 100,000 h at T_A = +25 °C

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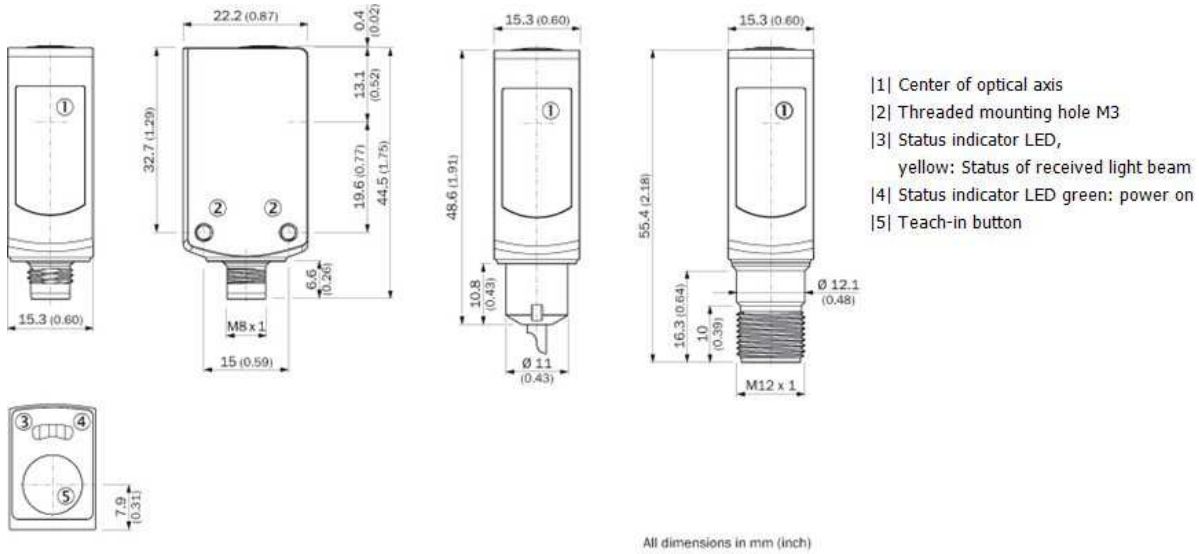
Mechanics/electronics

Supply voltage:	10 V DC ... 30 V DC [1]
Power consumption:	≤ 30 mA [2]
Output type:	PNP
Output function:	Complementary
Switching mode:	Light/dark switching
Output current Imax.:	≤ 100 mA
Response time:	< 0.5 ms [3]
Switching frequency:	1,000 Hz [4]
Connection type:	Connector M8, 4-pin
Circuit protection:::	A B C [5] [6] [7]
Protection class:	III
Weight:	40 g
Polarisation filter:	✓
Housing material:	Stainless steel, Stainless steel 316L
Enclosure rating:	IP 66 IP 67 IP 68 IP 69K [8]
Special feature:	For transparent objects
Ambient operating temperature:	-30 °C ... 60 °C, -30 °C ... 70 °C [9]
Ambient storage temperature:	-30 °C ... 75 °C
UL File No.:	NRKH.E181493 & NRKH7.E181493

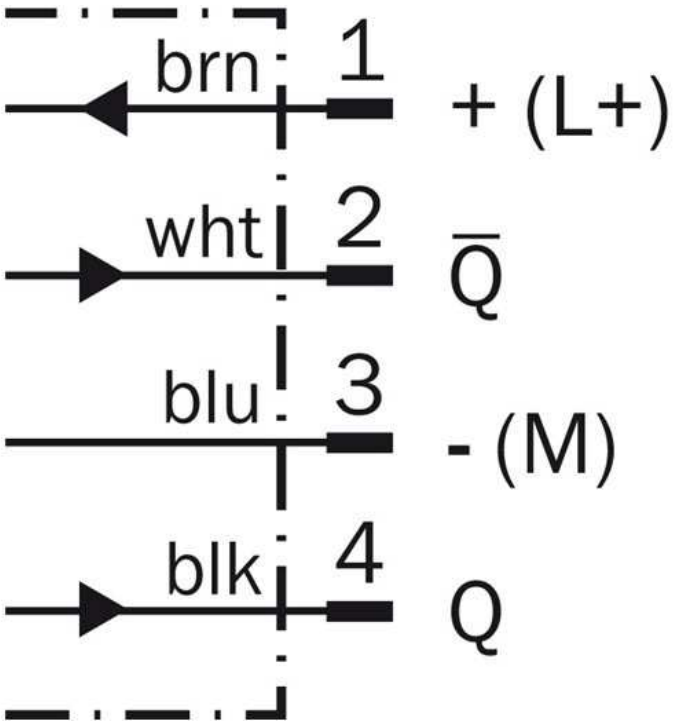
[1] Limit values, reverse-polarity protected, operation in short-circuit protected network: max. 8 A [2] Without load [3] Signal transit time with resistive load [4] With light/dark ratio 1:1 [5] A = V_S connections reverse-polarity protected [6] B = inputs and output reverse-polarity protected [7] C = interference suppression [8] Only in case of correctly mounted IP 69K connecting cable [9] At UV ≤ 24 V and IA < 30 mA

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Dimensional drawing

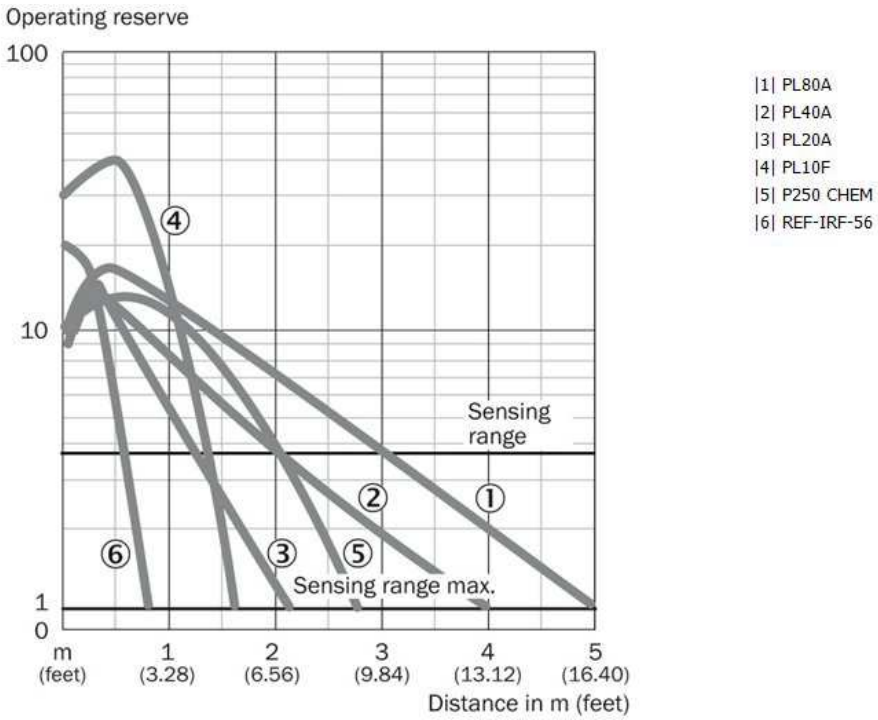


Connection diagram

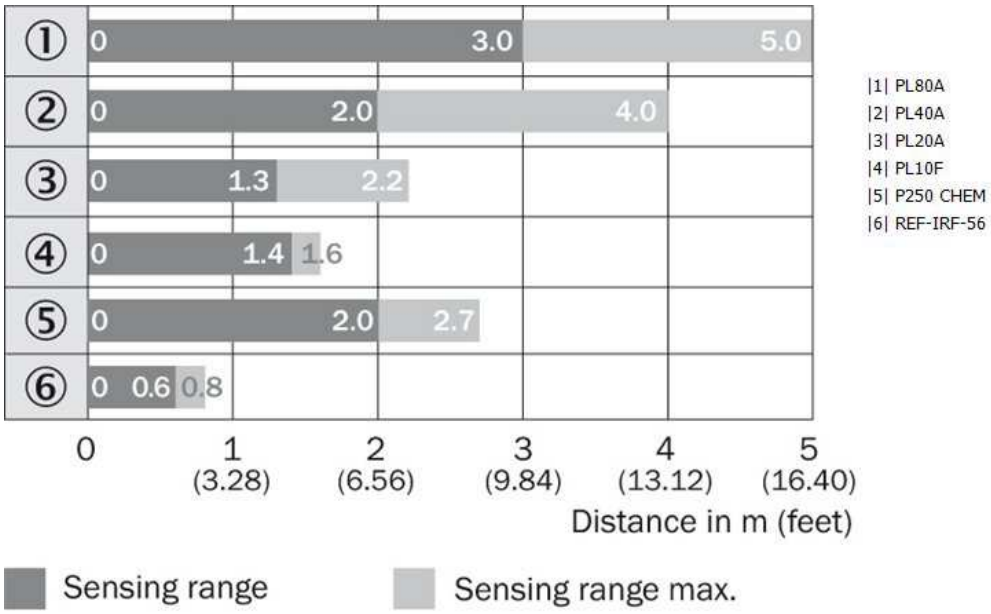


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Characteristic curve

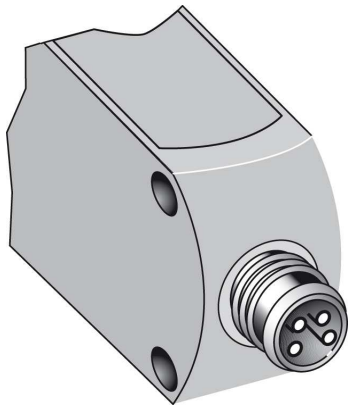


Sensing range diagram



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Connection type



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A4 4c int43

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