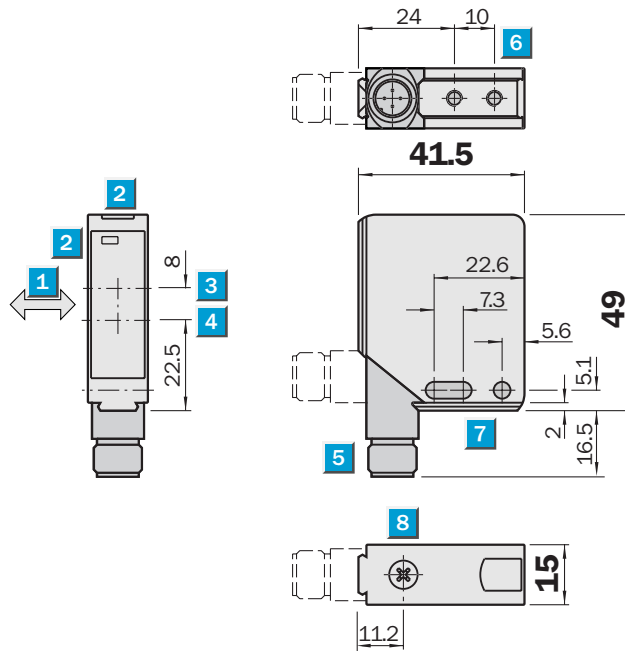


WT 12-2 B 523

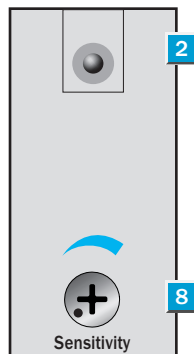
Photoelectric
proximity
switch

Dimensional drawing



Adjustments possible

WT 12-2B 523



- 1 Standard direction of material being scanned
- 2 Signal strength indicator, power indicator
- 3 Centre of receiver optical axis
- 4 Centre of emitter optical axis
- 5 Plug M 12 (can be rotated through 90°)
- 6 Mounting hole $\varnothing$ 4.2 mm
- 7 Screw thread M 4
- 8 Sensitivity control

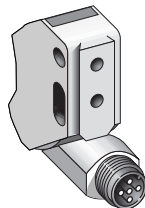
Scanning distance
20 ... 120 mm

Photoelectric proximity switch

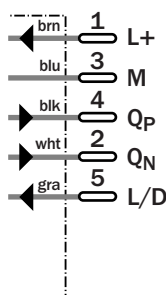
- PNP and NPN switching output
- Response time approx. 0.2 ms
- Red light emitter LED
- Could be used to detect black marks on brown cardboard
- Adjustable sensitivity
- Light or dark switching, selection via control wire
- Immune to ambient light sources (HF lamps, warning flash lights)
- 5 pin M 12-plug

Connection type

WT 12-2B 523



5-pin, M 12



1) Average service life 100,000 h at $T_A = +25^\circ\text{C}$	5) At room temperature $T_A = +25^\circ\text{C}$ and output current of 100 mA	9) A = Inputs and outputs reserve polarity protected
2) Limit values	6) Signal transit time with resistive load	B = Outputs Q_{PNP} and Q_{NPN} short-circuit protected
3) May not exceed or fall short of V_S tolerances	7) With light/dark ratio 1:1, no time delay	C = Interference suppression
4) Without load	8) Reference voltage 50 V DC; 250 V AC	

Scanning distance (mm)	Relative Sensitivity (%)
20	20
40	38
60	100
80	75
100	55
120	40

Australia
Sick Pty. Ltd. Head Office
P.O. Box 214
899 Heidelberg Road
Ivanhoe, Vic. 3079, Australia
☎ +61 39 49 74 10 0
(0 08) 33 48 02 - toll free
Fax +61 39 49 71 18 7
sales@sick.com.au

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