

## WTB23-2: Take the visible advantage of the innovative Pin-Point Technology

Focussing on what is essential and economic

### Make use of this innovative Pin-Point Technology

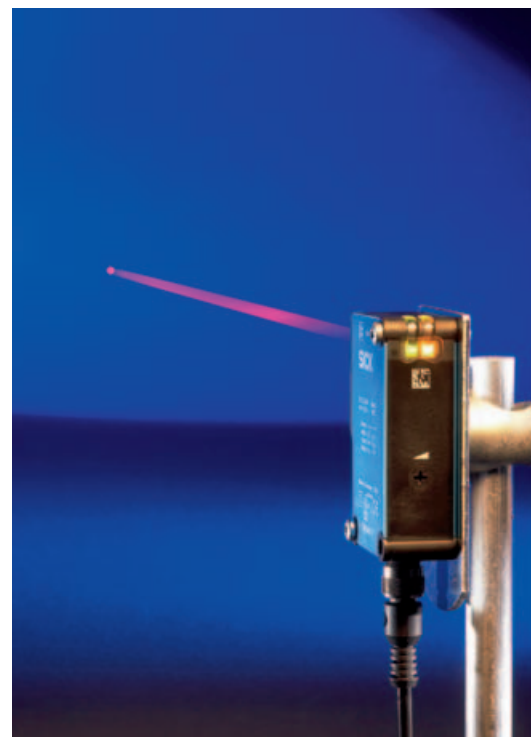
- Intensive and visible light spot
- No more searching for the light spot during alignment and therefore faster installation and commissioning
- Reliable detection owing to homogeneous light spot

### Maximum process reliability

- Secure against the effects of ambient light
- Operating temperatures:  $-30\text{ °C}$  ...  $+60\text{ °C}$
- Enclosure rating IP 67

### Convincing performance and easy to operate

- Long scanning distances and high operating reserve
- $360^\circ$  indicator LEDs
- Stable and fast response time



**SICK**  
Sensor Intelligence.

# WTB23-2 Photoelectric proximity switch, red light "Pin-Point Technology", DC

<b>Technical data</b>	WTB23-2	P2461												
-----------------------	---------	-------	--	--	--	--	--	--	--	--	--	--	--	--

<b>Scanning distance, typ. max.</b>	30 ... 1,100 mm <sup>1)</sup>	
Background suppression	✓	
Adjustment of operating distance	Potentiometer	
<b>Light source, light type</b>	Pin-Point LED, red light <sup>2)</sup>	
Light spot diameter	Approx. 12 mm at 800 mm distance	
<b>Supply voltage V<sub>s</sub></b>	10 ... 30 V DC <sup>3)</sup>	
Switching outputs	PNP, antivalent	
Output current I <sub>a</sub> max.	100 mA	
Response time	≤ 2.5 ms <sup>4)</sup>	
Switching frequency	200 Hz <sup>5)</sup>	
Connection type	Plug, M12, 4-pin	
VDE protection class	□ <sup>6)</sup>	
Circuit protection	V <sub>s</sub> connections reverse-polarity protected/All outputs short-circuit protected/Interference suppression	
Enclosure rating	IP 67	
Ambient temperature operation	-30 °C ... +60 °C	
Housing material	ABS, PMMA	

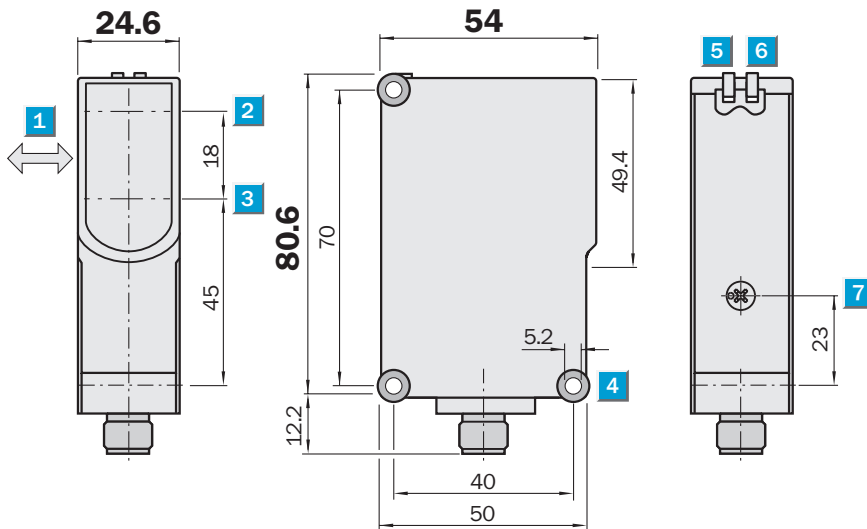
<sup>1)</sup> Object with 90 % remission (based on standard white to DIN 5033)

<sup>2)</sup> Average service life 100,000 h at T<sub>A</sub> = +25 °C

<sup>3)</sup> Limit values, operation in short-circuit protected network max. 8 A  
<sup>4)</sup> Signal transit time with resistive load

<sup>5)</sup> With light/dark ratio 1:1  
<sup>6)</sup> Reference voltage 50 V DC

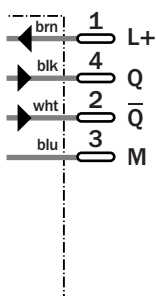
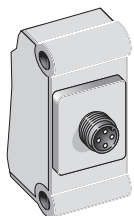
## Dimensional drawing



## Order information

Type	Order no.
WTB23-2P2461	1044164

## Connection type



- 1** Standard direction of the material being scanned
- 2** Optical axis sender
- 3** Optical axis receiver
- 4** Mounting hole Ø 5.2 mm
- 5** LED indicator green; power on
- 6** LED indicator yellow; status of received light beam
- 7** Scanning distance adjustment; Poti

## Great Britain

Phone +44 (0)1727 83 11 21  
E-Mail [info@sick.co.uk](mailto:info@sick.co.uk)

## USA

Phone +1(952) 941-6780  
tollfree +1-800-325-7425  
E-Mail [info@sickusa.com](mailto:info@sickusa.com)

## Australia

Phone +61 3 9497 4100  
tollfree +1800 33 48 02  
E-Mail [sales@sick.com.au](mailto:sales@sick.com.au)

More representatives and agencies in all major industrial nations at [www.sick.com](http://www.sick.com)

**SICK**  
Sensor Intelligence.