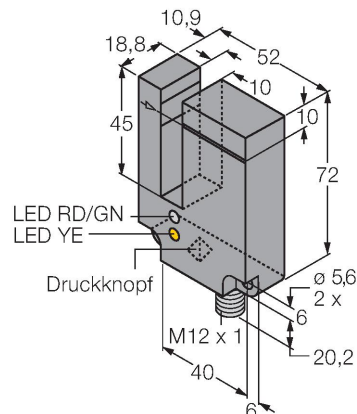


SL10VB6VYQ

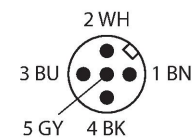
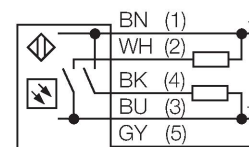
Photoelectric Sensor – Bifurcated Retroreflective Sensor



Features

- Male M12 × 1, 5-pin
- Protection class IP67
- Slot width 10 mm
- Sensitivity adjusted via potentiometer
- Operating voltage: 10...30 VDC
- Switching output, bipolar
- Light or dark operation via grey core / PIN 5 adjustable

Wiring diagram



Functional principle

Photoelectric slot sensors combine the advantages of a sensor in a single compact housing with those of an opposed mode sensor. The slot width is 10 or 30 mm. The standard version is equipped with a potentiometer for sensitivity adjustments. The Expert version features a static or dynamic teach mode.

Technical data

Type	SL10VB6VYQ
ID	3060368
Optical data	
Function	Slot sensor
Operating mode	Emitter/receiver pair
Light type	Red
Wavelength	680 nm
Range	10 mm
Electrical data	
Operating voltage	10...30 VDC
No-load current	≤ 30 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, PNP/NPN
Switching frequency	1.6 kHz
Response time typical	< 0.3 ms
Setting option	Potentiometer
Mechanical data	
Design	Fork, SL10
Dimensions	72 x 18.8 x 52 mm
Housing material	Plastic, Thermoplastic material, Black
Lens	plastic, Acrylic
Electrical connection	Connector, M12 × 1, PVC
Number of cores	5
Ambient temperature	-40...+70 °C
Relative humidity	0...90 %
Protection class	IP67

Technical data

Power-on indication	LED, Green
Switching state	LED, Yellow
Alarm display	LED yellow Flashing
Tests/approvals	
MTTF	383 years acc. to SN 29500 (Ed. 99) 40 °C

Accessories

SMBSL	3058335
Mounting bracket, for LS10 and LS30, wall mounting, 304 stainless steel, screw set included in delivery	

Accessories

Dimension drawing	Type	ID	
	RKC4.5T-2/TEL	6625016	Connection cable, female M12, straight, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
	WKC4.5T-2/TEL	6625028	Connection cable, female M12, angled, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com