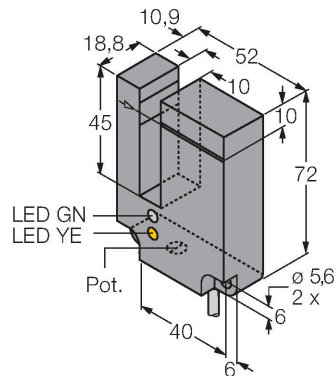


SL10VB6V

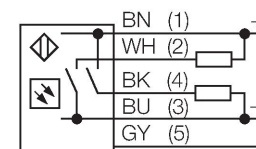
Photoelectric Sensor – Bifurcated Retroreflective Sensor



Features

- Cable, PVC, 2 m, 5-wire
- 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	SL10VB6V
ID	3058323
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	≤ 500 Hz
Readiness delay	≤ 250 ms
Response time typical	< 1 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	Cable, 2 m, PVC
Number of cores	5
Core cross-section	0.5 mm ²
Ambient temperature	-40...+70 °C

Technical data

Relative humidity	0...90 %
Protection class	IP67
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	