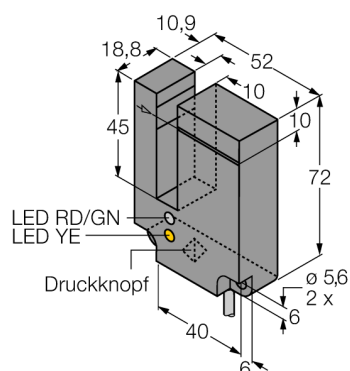


Photoelectric Sensor

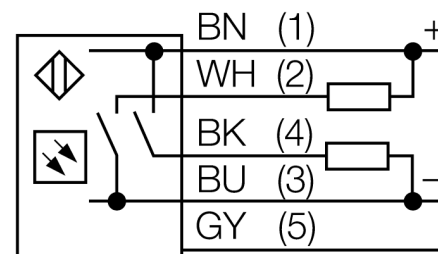
Bifurcated Retroreflective Sensor

SL10VB6VY W/30



- Cable, PVC, 9 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.

Type	SL10VB6VY W/30
ID	3058328
Optical data	
Function	Slot sensor
Operating mode	Emitter/receiver pair
Light type	Red
Wavelength	680 nm
Slot width	10 mm
Electrical data	
Operating voltage U_s	10...30 VDC
No-load current I_0	≤ 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
Housing material	Plastic, Thermoplastic material, Black
Lens	plastic, Acrylic
Electrical connection	Cable, 9 m, PVC
Number of cores	5
Core cross-section	0.5 mm ²
Ambient temperature	-40...+70 °C
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

Type code	Ident no.		Dimension drawing
SMBSL	3058335	Mounting bracket, for LS10 and LS30, wall mounting, 304 stainless steel, screw set included in delivery	