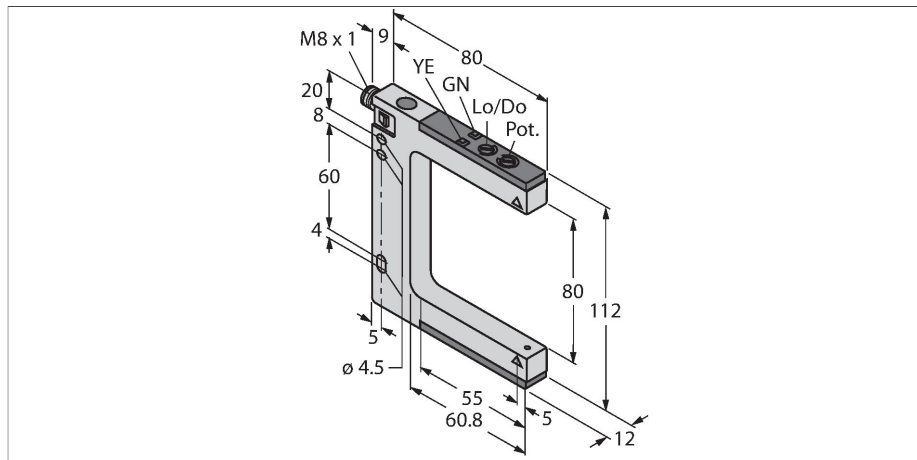


SLM80N6Q

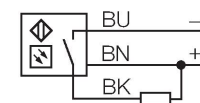
Photoelectric Sensor – Bifurcated Retroreflective Sensor



Features

- Male, M8 × 1
- Protection class IP67
- Sensitivity adjusted via potentiometer
- Operating voltage: 10...30 VDC
- NPN switching output, light and dark operation

Wiring diagram



Technical data

Type	SLM80N6Q
ID	3074984
Optical data	
Function	Slot sensor
Operating mode	Emitter/receiver pair
Light type	Red
Wavelength	680 nm
Range	80 mm
Slot width	80 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
DC rated operational current	≤ 100 mA
No-load current	≤ 25 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, NPN
Switching frequency	≤ 1000 Hz
Readiness delay	≤ 100 ms
Response time typical	< 0.5 ms
Setting option	Potentiometer
Mechanical data	
Design	Fork, SLM80
Dimensions	80 x 12 x 112 mm
Housing material	Metal, Zinc Die-Cast with Nickel-Plating
Lens	plastic, Acrylic
Electrical connection	Connector, M8 × 1, PVC

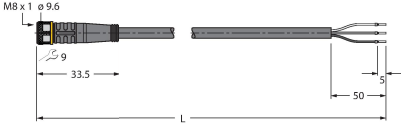
Functional principle

Bifurcated retro-reflective sensors and opposed mode sensors - The advantages of two sensor types combined in a single compact housing. Additional alignment of emitter and receiver is no longer required. The slot widths are 10 mm, 30 mm, 50 mm, 80 mm, 120 mm and 220 mm. The sensor features a potentiometer to adjust the sensitivity and a rotary switch to set light or dark switching.

Technical data

Number of cores	3
Ambient temperature	-20...+60 °C
Relative humidity	0...95 %
Protection class	IP67
Power-on indication	LED, Green
Switching state	LED, Yellow
Error indication	LED
Alarm display	LED yellow Flashing
Tests/approvals	
Approvals	CE

Accessories

Dimension drawing	Type	ID	
	PKG3M-2/TEL	6625058	Connection cable, female M8, straight, 3-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
	PKW3M-2/TEL	6625064	Connection cable, female M8, angled, 3-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com