

SPBS 2601 J

Background Suppression

Standard, Photoelectric Sensors



Product Data	
Supply Voltage:	10 - 30 V dc
Light Source:	Infrared (880 nm)
Housing Material:	Plastic
Housing:	17 x 50 x 50
Control Feature:	Range potentiometer and light/dark switch
Connection:	4 pin, M12 plug
Sensing Range:	1,5 m
Timer:	-
Output:	NPN/PNP
Output Status:	N.C./N.O.
Operation Mode:	Background Suppression

Technical Data	
Supply Voltage:	10 – 30 V dc
Voltage Ripple:	+/- 15 %
Reverse Polarity Protected:	Yes
Short Circuit Protected:	Yes
Current Consumption:	< 65 mA
Max. Operation Frequency:	250 Hz
Power On Indicator:	Green LED
Output Indicator:	Yellow LED
Hysteresis:	3 – 10 %
Light Source:	Infrared (880 nm)
Opening Angle:	+/- 5°
Emission Angle:	+/- 1,5°
Cable:	4 x 0,20 mm2
Output, Transistor:	200 mA / 30 V dc
Response Time ton / toff:	2 ms / 2 ms

Housing Material Sensor Housing:	Polycarbonate / ABS
Housing Material Lens Cover:	Polycarbonate
Cable Sleeve:	PVC Ø 4,9 mm
Test Input:	-
Signal Status Indicator:	Red LED
Delay Time ton / toff:	-

Environmental Data	
Vibration:	10 – 55 Hz, 0.5 mm
Shock:	30 g
Operation Temperature:	-20 to +55 °C
Storage Temperature:	-40 to +80 °C
Sealing Class:	IP 67
Light Immunity 5°:	-
Light Immunity 15°:	25 000 lux

Approvals



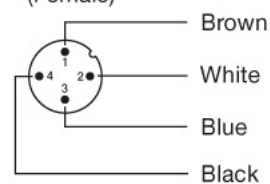
Connections

4 pin, M12

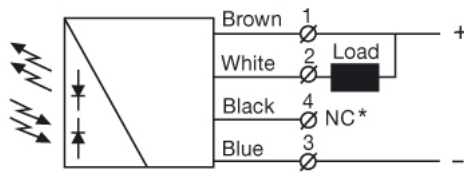
Sensor Plug
(Male)



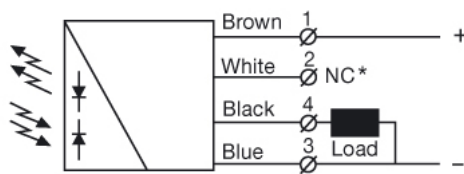
Cable Plug
(Female)



Wiring Diagram

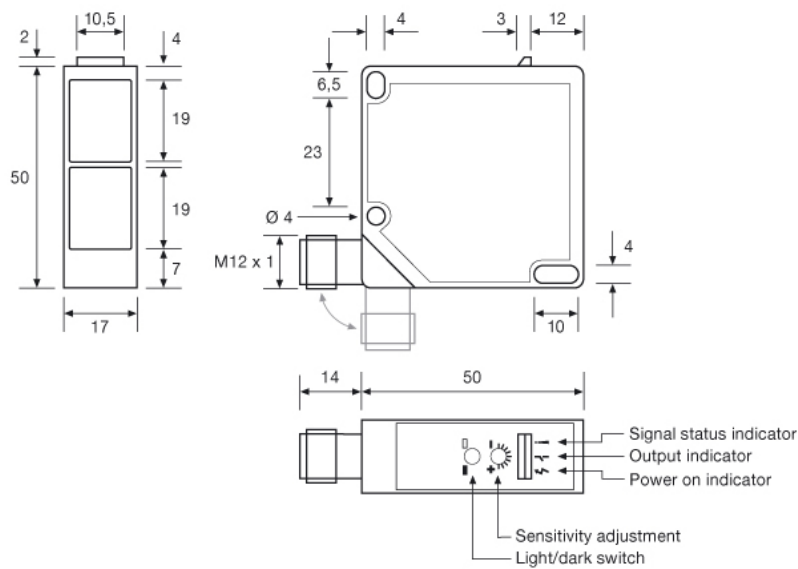


*Do not connect black wire
Load as NPN



*Do not connect white wire
Load as PNP

Dimensions



Sensing Characteristics

Parallel Displacement

