SPBS 2602 J

Background Suppression

Photoelectric Sensors



Product Data	
Function	Both
Operation Mode	Background Suppression
Supply Voltage	10 - 30 V dc
Control Feature	Range potentiometer and light/dark switch
Connection	4 pin, M12 plug
Sensing Range	2 m
Output	NPN/PNP
Output Status	N.C./N.O.
Light Source	Infrared (880 nm)
Housing Material	Plastic
Housing	17 x 50 x 50

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
Response Time ton / toff	2 ms / 2 ms
Output, Transistor	200 mA / 30 V dc
Power On Indicator	Green LED
Output Indicator	Yellow LED
Signal Status Indicator	Red LED
Hysteresis	3 – 10 %
Light Source	Infrared (880 nm)
Opening Angle	+/– 5°
Emission Angle	+/– 1,5°

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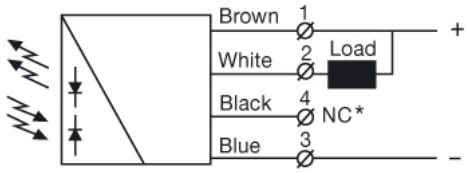
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate / ABS
Cable	4 x 0,20 mm2
Cable Sleeve	PVC Ø 4,9 mm

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 15˚	25 000 lux

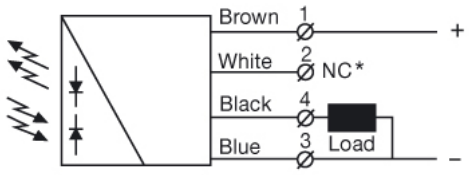
Approvals

CE UK CA

Wiring Diagram



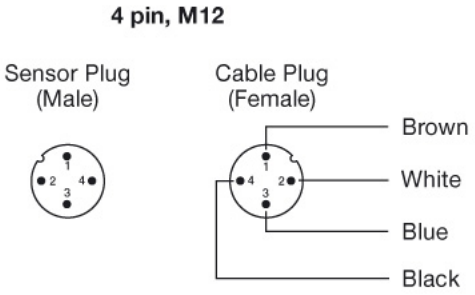
*Do not connect black wire
Load as NPN



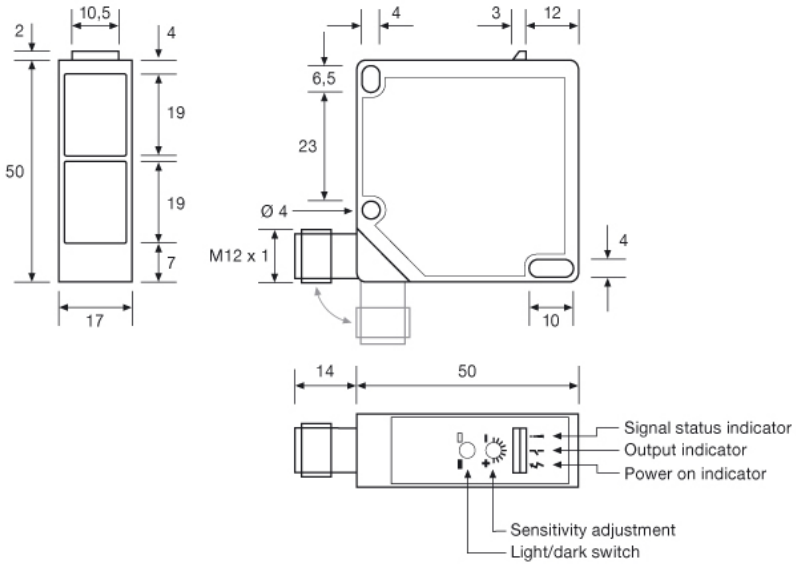
*Do not connect white wire
Load as PNP

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Connections



Dimensions



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