SPBS 2901 5

Background Suppression

Photoelectric Sensors



Product Data	
Function	Both
Operation Mode	Background Suppression
Supply Voltage	12 - 240 V ac/dc
Control Feature	Range potentiometer and light/dark switch
Connection	5 m cable
Sensing Range	1,5 m
Output	Relay
Output Status	N.C./N.O.
Light Source	Infrared (880 nm)
Housing Material	Plastic
Housing	17 x 50 x 50

Technical Data	
Supply Voltage	12-240 V dc / 20-240 V ac
Voltage Ripple	+/– 15 %
Current Consumption	< 70 mA
Max. Operation Frequency	25 Hz
Response Time ton / toff	20 ms / 20 ms
Output, Relay	1 open / 1 close, 240 V ac / 2 A
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°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate / ABS

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Cable	5 x 0,20 mm2
Cable Sleeve	PVC Ø 4,9 mm

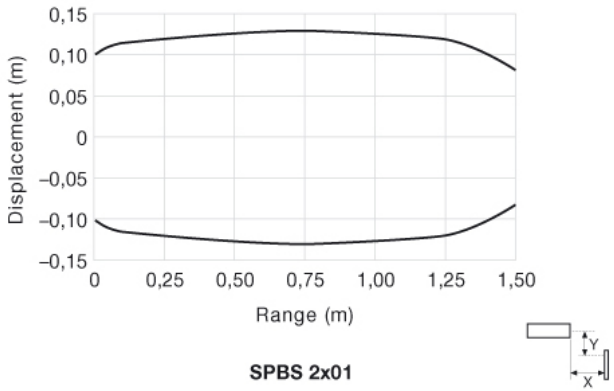
Environmental Data	
Vibration	10 – 55 Hz, 0.5 mm
Shock	30 g
Operation Temperature	–20 to +55 °C
Storage Temperature	–40 to +80 °C
Sealing Class	IP 67
Light Immunity 15˚	25 000 lux

Approvals

Wiring Diagram



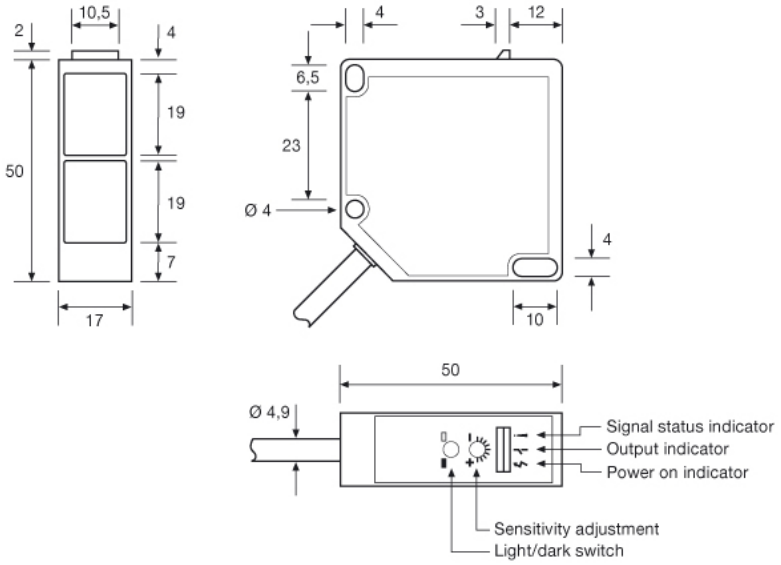
Parallel Displacement



SPBS 2x01

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Dimensions



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