

SPP 2505 0.2-J

Diffuse Proximity

Photoelectric Sensors



Product Data	
Function	Both
Operation Mode	Diffuse Proximity
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	0.2m cable, 4pin, M12 plug
Sensing Range	5 m
Output	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	72 Hz
Response Time ton / toff	7 ms / 7 ms
Output, Relay	1 open / 1 close, 240 V ac / 2 A
Output, Transistor	200 mA / 30 V dc
Power On Indicator	Green LED
Output Indicator	Yellow LED
Signal Status Indicator	Red LED
Hysteresis	5 – 15 %
Light Source	Infrared (880 nm)
Opening Angle	+/- 5°

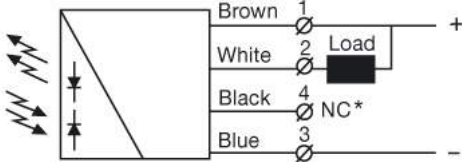
Emission Angle	+/- 1,5°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate / ABS
Cable	4 x 0,20 mm ²
Cable Sleeve	PVC Ø 4,9 mm

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



*** Do not connect black wire
Load as NPN**

*** Do not connect white wire
Load as PNP**

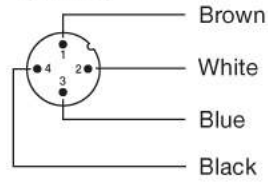
Connections

4 pin, M12

Sensor Plug
(Male)



Cable Plug
(Female)



Dimensions

