SPR 2645 J

Thru Beam

Photoelectric Sensors



Compatible Transmitter:
SPT 2645 J

Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	4 pin, M12 plug
Sensing Range	45 m
Output	NPN/PNP
Output Status	N.C./N.O.
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	20 – 30 %
Opening Angle	+/– 2,5°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate / ABS
Cable	4 x 0,20 mm2

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

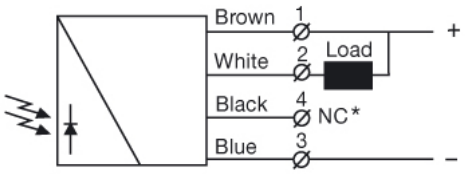
Cable Sleeve	PVC Ø 4,9 mm

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 5˚	25 000 lux

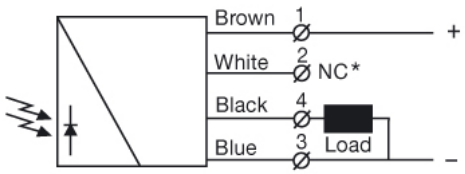
Approvals

CE UK CA

Wiring Diagram



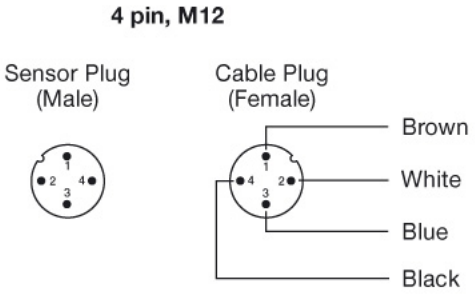
* Do not connect black wire
Load as NPN



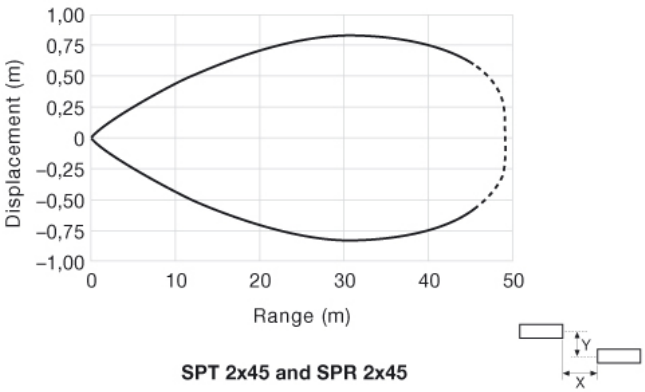
* Do not connect white wire
Load as PNP

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Connections



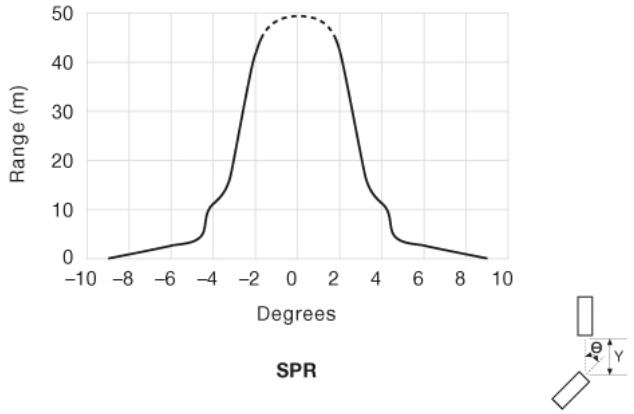
Parallel Displacement



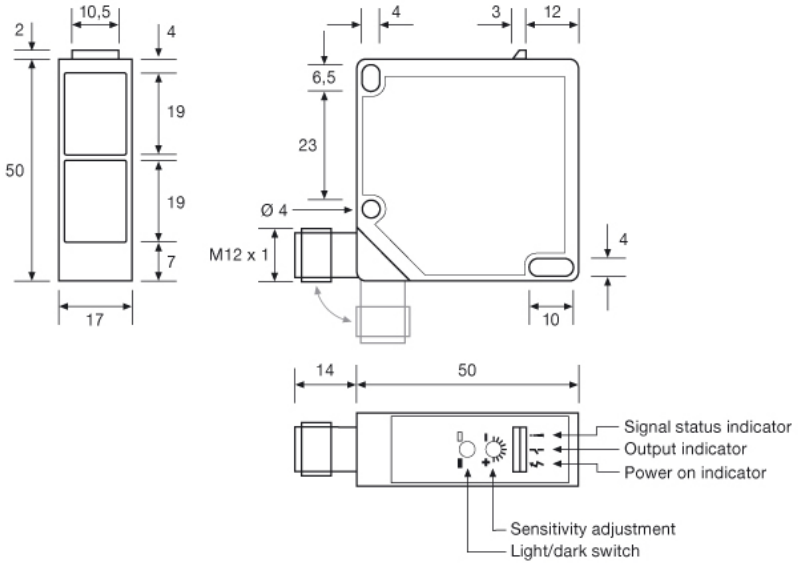
SPT 2x45 and SPR 2x45

COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Angular Displacement



Dimensions



COPYRIGHT © TELCO SENSORS. ALL RIGHTS RESERVED. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.