# SPR 2645T 5

## Thru Beam

Photoelectric Sensors



**Compatible Transmitter:**
SPT 2645 5

| Product Data | |
|---|---|
| Function | Receiver |
| Operation Mode | Thru Beam |
| Supply Voltage | 10 - 30 V dc |
| Control Feature | Sensitivity pot. and light/dark switch |
| Connection | 5 m cable |
| Sensing Range | 45 m |
| Output | NPN/PNP |
| Output Status | N.C./N.O. |
| Timer | On/Off Delay |
| 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° |
| Delay Time ton / toff | 0 – 10 sec, adjustable |
| Housing Material, Front Lens | Polycarbonate |

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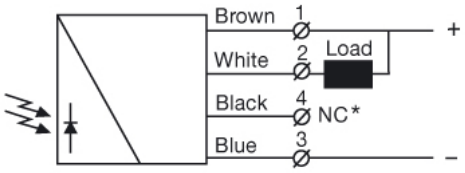
| | |
|---|---|
| Housing Material, Sensor Housing | Polycarbonate / ABS |
| Cable | 4 x 0,20 mm2 |
| Cable Sleeve | PVC Ø 4,9 mm |

| **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 5˚ | 25 000 lux |

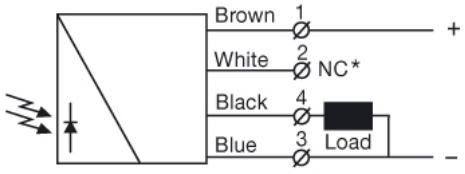
## Approvals

CE UK CA

## Wiring Diagram



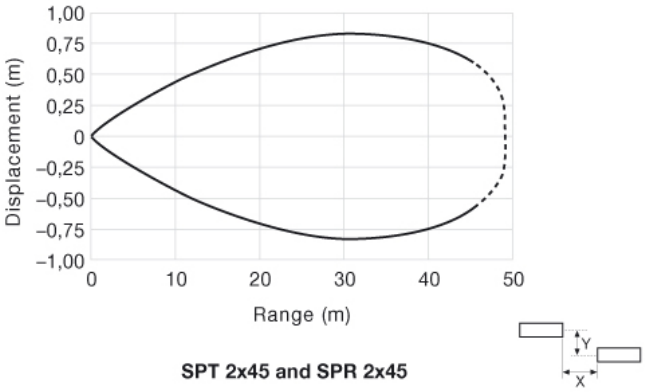

* Do not connect black wire
**Load as NPN**




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

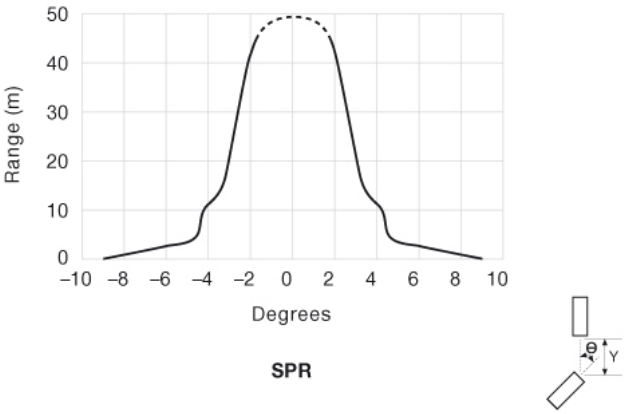
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## Parallel Displacement




**SPT 2x45 and SPR 2x45**

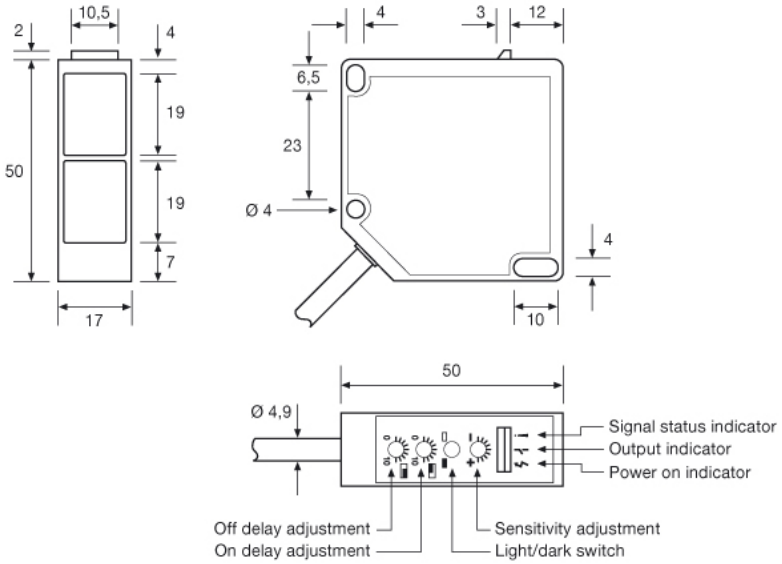
## Angular Displacement




**SPR**

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## Dimensions




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