

## SMT 3012C TB J

## Thru Beam

Photoelectric Sensors

## Compatible Receivers:

SMR 3012 TB J

SMR 3112 TB J

SMR 3212 TB J

SMR 3312 TB J



| Product Data     |                                 |
|------------------|---------------------------------|
| Function         | Transmitter                     |
| Operation Mode   | Thru Beam                       |
| Supply Voltage   | 10 - 30 V dc                    |
| Control Feature  | Adjustable range and test input |
| Connection       | 4 pin, M12 plug                 |
| Sensing Range    | 12 m                            |
| Light Source     | Infrared (880 nm)               |
| Housing Material | Nickel Plated Brass             |
| Housing          | M12 x 1                         |

| Technical Data                   |                          |
|----------------------------------|--------------------------|
| Supply Voltage                   | 10 - 30 V dc             |
| Voltage Ripple                   | 15 %                     |
| Reverse Polarity Protected       | Yes                      |
| Current Consumption              | Max. 30 mA               |
| Test Input                       | Yes                      |
| Control Input                    | Adjustable range         |
| Power On Indicator               | Green LED                |
| Light Source                     | Infrared (880 nm)        |
| Emission Angle                   | +/- 5°                   |
| Housing Material, Front Lens     | Polycarbonate            |
| Housing Material, Sensor Housing | Nickel Plated Brass      |
| Cable                            | 3 x 0,14 mm <sup>2</sup> |
| Cable Sleeve                     | PVC Ø 3,4 mm             |

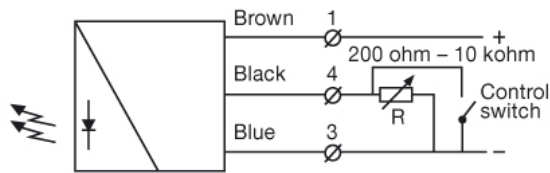
| Environmental Data |                    |
|--------------------|--------------------|
| Vibration          | 10 - 55 Hz, 0,5 mm |
| Shock              | 30 g               |

|                       |               |
|-----------------------|---------------|
| Operation Temperature | -20 to +50 °C |
| Storage Temperature   | -40 to +80 °C |
| Sealing Class         | IP 67         |

Approvals



Wiring Diagram



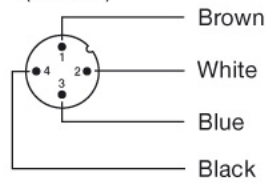
Connections

4 pin, M12

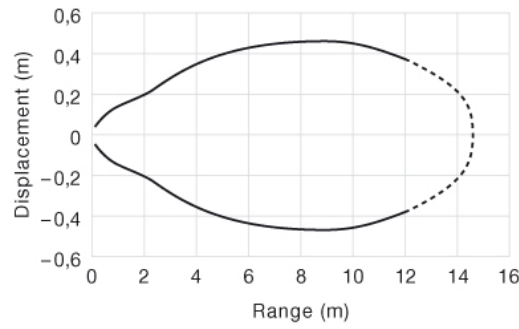
Sensor Plug (Male)



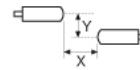
Cable Plug (Female)



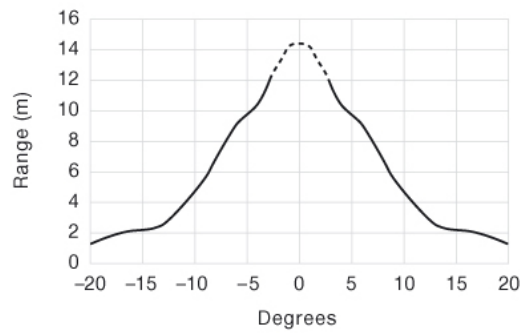
Parallel Displacement



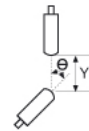
SMT 3012 and SMR 3x12



Angular Displacement



SMT 3012C



Dimensions

