

SMR 7620 TP J

Thru Beam

Photoelectric Sensors

Compatible Transmitter:

SMT 7000 TP 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 | 20 m |
| Output | NPN/PNP |
| Output Status | N.C./N.O. |
| Housing Material | Plastic |
| Housing | M18 x 1 |

| Technical Data | |
|----------------------------------|-------------------|
| Supply Voltage | 10 - 30 V dc |
| Voltage Ripple | 15 % |
| Reverse Polarity Protected | Yes |
| Short Circuit Protected | Yes |
| Current Consumption | 15 mA |
| Max. Output Load | 120 mA / 30 V dc |
| Max. Residual Voltage | 2 V |
| Max. Operation Frequency | 250 Hz |
| Response Time ton / toff | 2 ms / 2 ms |
| Power On Indicator | Green LED |
| Output Indicator | Yellow LED |
| Hysteresis | Approx. 15 - 20 % |
| Opening Angle | +/- 6° |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Sensor Housing | Polycarbonate |

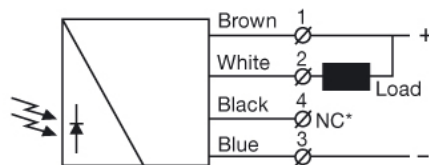
Environmental Data

| | |
|-----------------------|--------------------|
| Vibration | 10 - 55 Hz, 0,5 mm |
| Shock | 30 g |
| Operation Temperature | -20 to +60 °C |
| Storage Temperature | -40 to +80 °C |
| Sealing Class | IP 67 |
| Light Immunity 5* | > 20 000 lux |

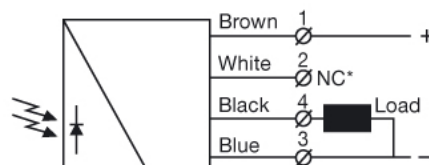
Approvals



Wiring Diagram



*Do not connect black wire
Load as NPN



*Do not connect white wire
Load as PNP

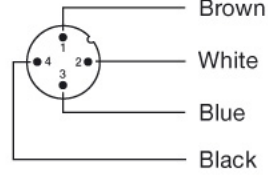
Connections

4 pin, M12

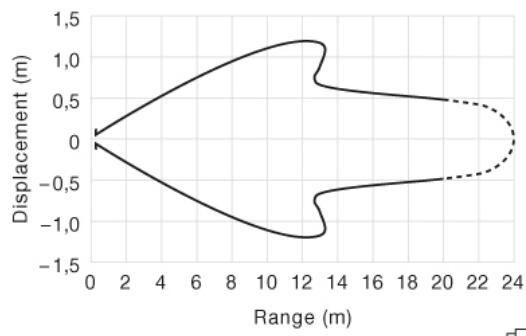
Sensor Plug
(Male)



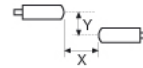
Cable Plug
(Female)



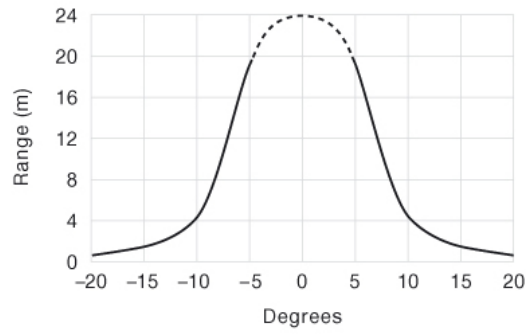
Parallel Displacement



SMT 7000 and SMR 7x20



Angular Displacement



SMR 7x20



Dimensions

