# SMR 7707 TS J

## Thru Beam

Photoelectric Sensors



**Compatible Transmitter:**

SMT 7000 TS J

| Product Data | |
|---|---|
| Function | Receiver |
| Operation Mode | Thru Beam |
| Supply Voltage | 10 - 30 V dc |
| Control Feature | Sensitivity pot. |
| Connection | 4 pin, M12 plug |
| Sensing Range | 7 m |
| Output | PNP/PNP |
| Output Status | N.C./N.O. |
| Housing Material | Stainless Steel |
| Housing | M18 x 1 |

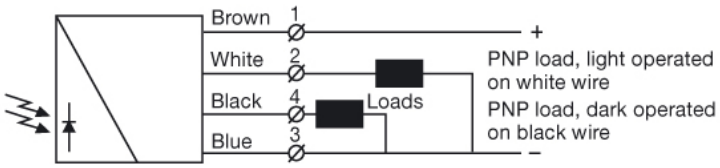
| Technical Data | |
|---|---|
| Supply Voltage | 10 - 30 V dc |
| Voltage Ripple | 15 % |
| Reverse Polarity Protected | Yes |
| Short Circuit Protected | Yes |
| Current Consumption | 15 mA |
| Max. Output Load | 120 mA / 30 V dc |
| Max. Residual Voltage | 2 V |
| Max. Operation Frequency | 1000 Hz |
| Response Time ton / toff | 0,5 ms / 0,5 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 | Stainless Steel (AISI 316 / 1.4401) |

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| 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 |

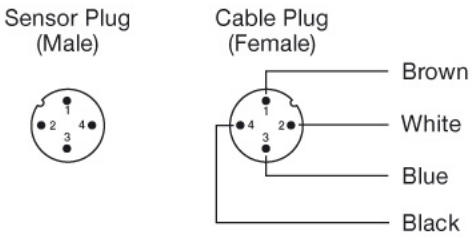
## Approvals

## Wiring Diagram



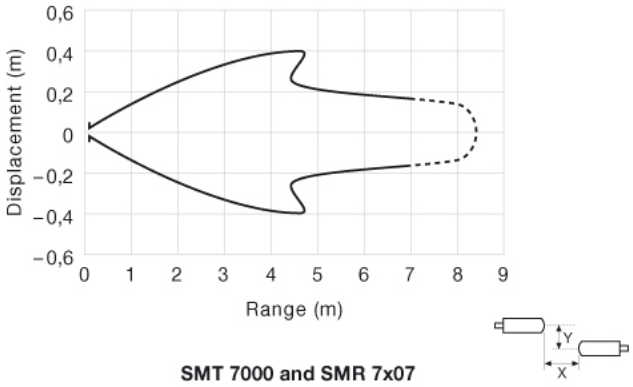

## Connections

**4 pin, M12**



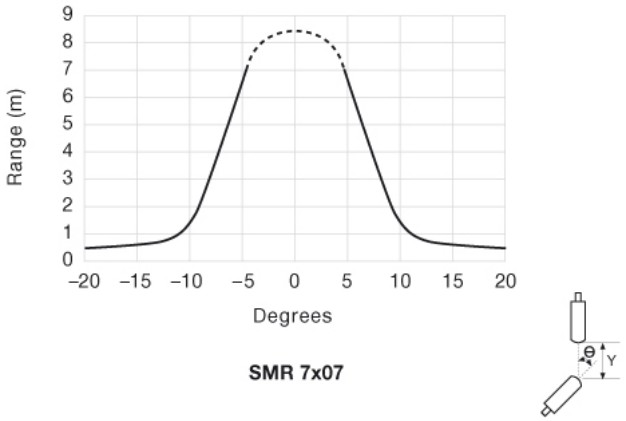

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## Parallel Displacement




**SMT 7000 and SMR 7x07**

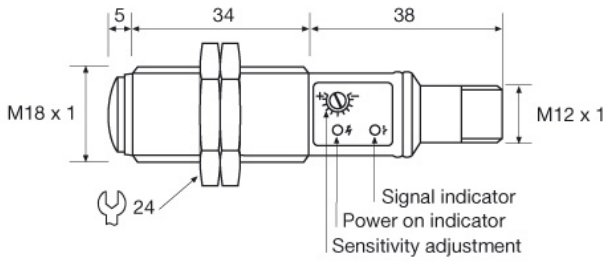
## Angular Displacement




**SMR 7x07**

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**Dimensions**




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