# SMR 3212 AP T3

## Thru Beam

Photoelectric Sensors

**Compatible Transmitter:**
SMT 3012C AP T3




| Product Data | |
|---|---|
| Function | Receiver |
| Operation Mode | Thru Beam |
| Supply Voltage | 10 - 30 V dc |
| Connection | 3 pin, M8 plug |
| Sensing Range | 12 m |
| Output | PNP |
| Output Status | N.C. |
| Housing Material | Plastic |
| Housing | Ø10 |

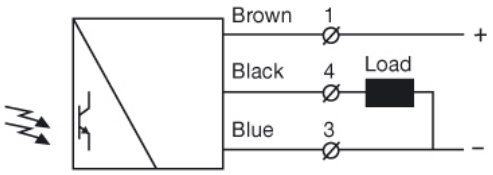
| Technical Data | |
|---|---|
| Supply Voltage | 10 - 30 V dc |
| Voltage Ripple | 15 % |
| Reverse Polarity Protected | Yes |
| Short Circuit Protected | Yes |
| Current Consumption | Max. 8 mA |
| Max. Output Load | 100 mA |
| Max. Residual Voltage | 2,5 V |
| Max. Operation Frequency | > 90 Hz |
| Response Time ton / toff | < 4 ms / < 6 ms |
| Output Indicator | Yellow LED |
| Hysteresis | Approx. 25 % |
| Opening Angle | +/- 3° |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Sensor Housing | Polycarbonate |
| Cable | 3 x 0,14 mm² |
| Cable Sleeve | PVC Ø 3,4 mm |

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| 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 |
| Light Immunity 5˚ | 12 000 lux |

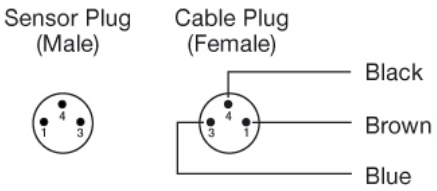
## Approvals

## Wiring Diagram



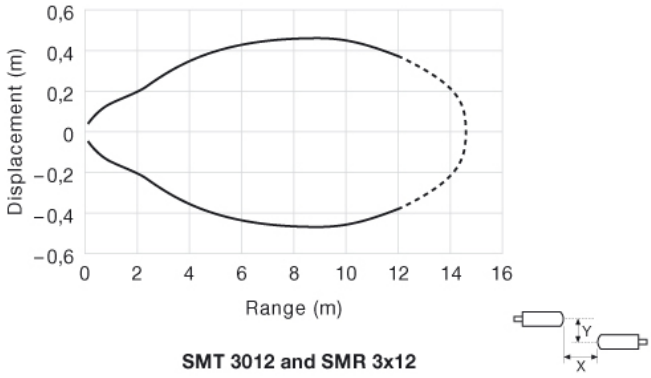

## Connections

**3 pin, M8**



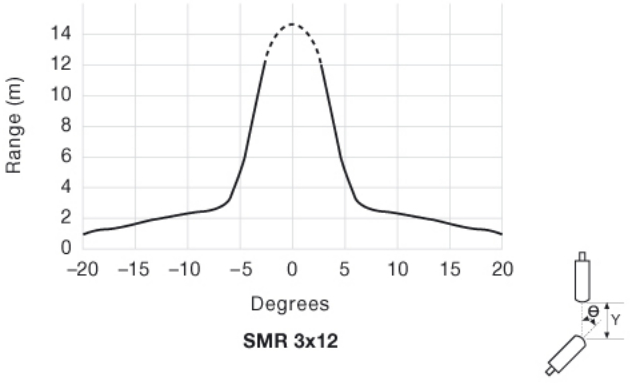

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## Parallel Displacement



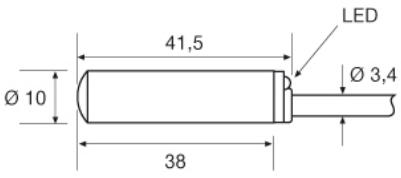

**SMT 3012 and SMR 3x12**

## Angular Displacement




**SMR 3x12**

## Dimensions




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