# SMR 9070 TP 15

## Thru Beam

Photoelectric Sensors

**Compatible Transmitter:**
SMT 9070C TP 15




| Product Data | |
|---|---|
| Function | Receiver |
| Operation Mode | Thru Beam |
| Supply Voltage | 10 - 30 V dc |
| Connection | 15 m cable |
| Sensing Range | 70 m |
| Output | NPN |
| Output Status | N.C. |
| 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 | 40 mA |
| Max. Output Load | 100 mA |
| Max. Residual Voltage | 2,5 V |
| Max. Operation Frequency | 20 Hz |
| Response Time ton / toff | 25 ms / 25 ms |
| Output Indicator | Yellow LED |
| Hysteresis | Approx. 20 % |
| Opening Angle | +/- 3° |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Sensor Housing | Polycarbonate |
| Cable | 5 x 0,14 mm² |
| Cable Sleeve | PVC Ø 4,9 mm |
| Channel Nº | Selectable 4 channels |

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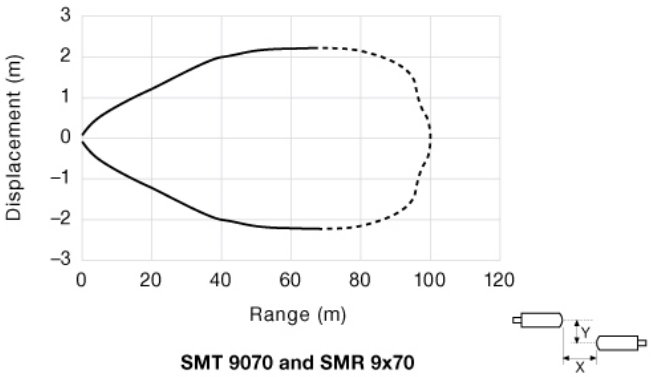
| Environmental Data | |
|---|---|
| Vibration | 10 - 55 Hz, 0,5 mm |
| Shock | 30 g |
| Operation Temperature | -20 to +60 °C |
| Storage Temperature | -40 to +80 °C |
| Sealing Class | IP 69K |
| Light Immunity 5˚ | > 20 000 lux |
| Light Immunity 20˚ | > 100 000 lux |

## Approvals

## Wiring Diagram



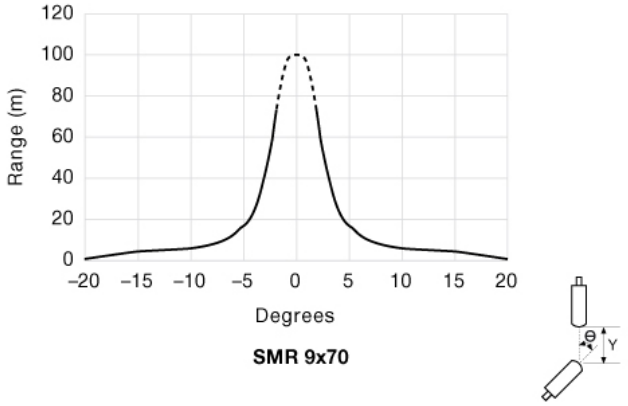

## Parallel Displacement




SMT 9070 and SMR 9x70

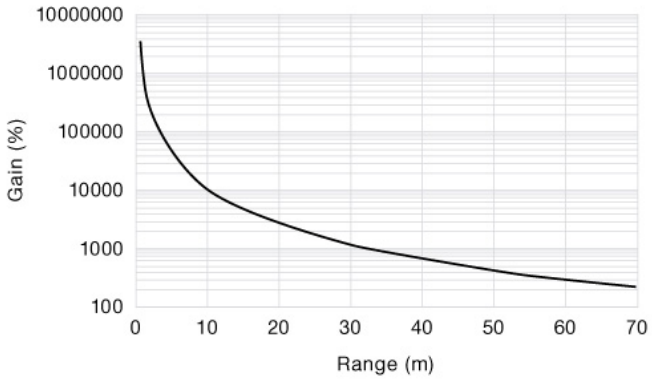
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## Angular Displacement




**SMR 9x70**

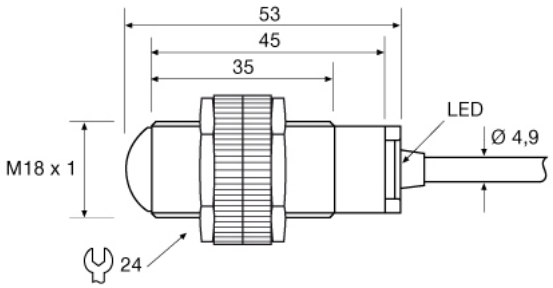
## Excess Gain




**SMT 9070 and SMR 9x7x**

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**Dimensions**




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