# SMT 9020C-IO TS 0.1-J5

## Thru Beam

Photoelectric Sensors




**Compatible Receivers:**

SMR 9420-IO TS 0.1-J5
SMR 9520-IO TS 0.1-J5

| **Product Data** | |
|---|---|
| Function | Transmitter |
| Operation Mode | Thru Beam |
| Supply Voltage | 10 - 30 V dc |
| Control Feature | Adjustable range and test input |
| Connection | 0.1 m cable with 5 pin, M12 |
| Sensing Range | 20 m |
| Light Source | Infrared (880 nm) |
| Housing Material | Stainless Steel |
| Housing | M18 x 1 |
| Features | IO-Link communication port |

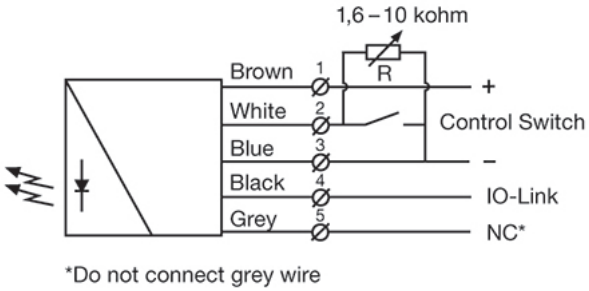
| **Technical Data** | |
|---|---|
| Supply Voltage | 10 - 30 V dc |
| Voltage Ripple | 15 % |
| Reverse Polarity Protected | Yes |
| Current Consumption | 40 mA |
| Test Input | Yes |
| Control Input | Adjustable range |
| Power On Indicator | Green LED |
| Light Source | Infrared (880 nm) |
| Emission Angle | +/- 7° |
| Housing Material, Front Lens | Polycarbonate |
| Housing Material, Sensor Housing | Stainless Steel (AISI 316 / 1.4401) |
| Cable | 5 x 0,14 mm² |
| Cable Sleeve | PVC Ø 4,9 mm |
| Channel Nº | Selectable 4 channels selectable via IO-Link |

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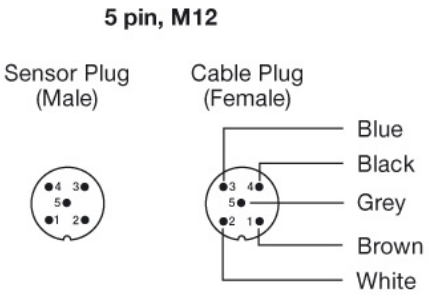
| Environmental Data | |
|---|---|
| Vibration | 10 - 55 Hz, 0,5 mm |
| Shock | 30 g |
| Operation Temperature | -20 to +60 °C |
| Storage Temperature | -40 to +80 °C |
| Sealing Class | IP 69K |

## Approvals

## Wiring Diagram

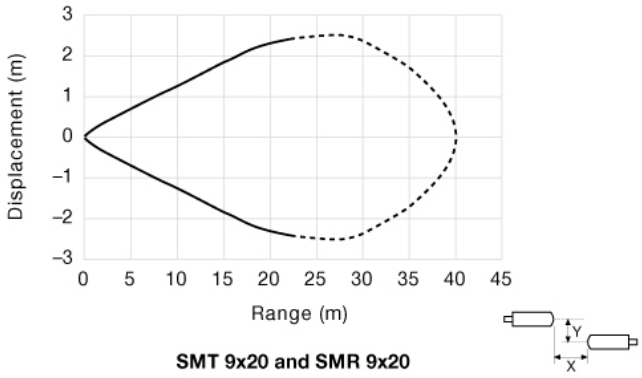



## Connections



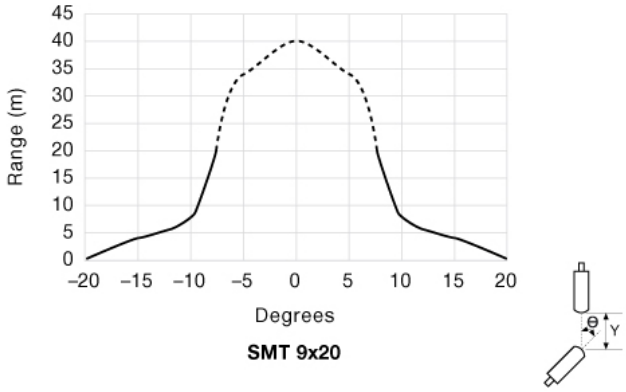

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## Parallel Displacement



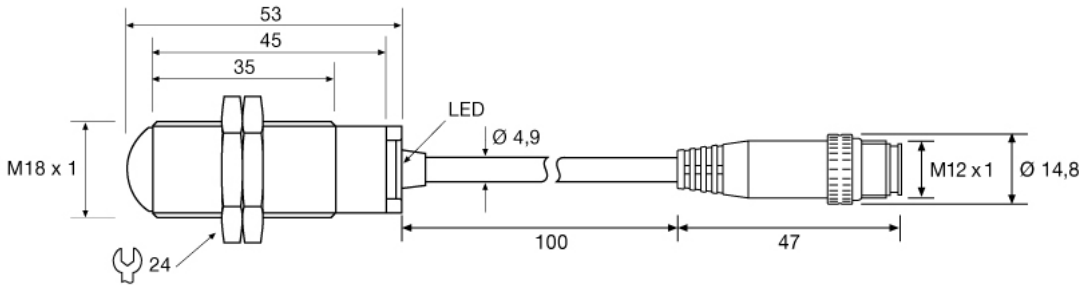

**SMT 9x20 and SMR 9x20**

## Angular Displacement



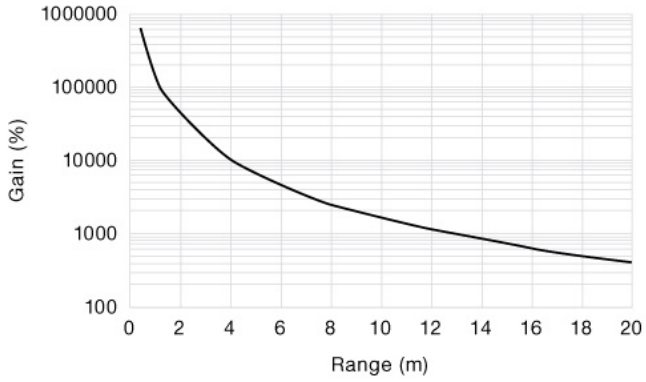

**SMT 9x20**

## Dimensions




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**Excess Gain**




**SMT 9020 and SMR 9x2x**

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