# M18 THROUGH-BEAM LASER

20 m sensing range | TX + RX

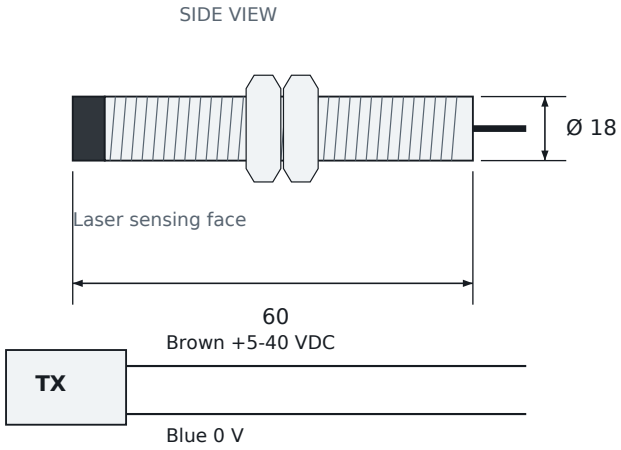



20 m / PNP NO / 5-40 VDC

## 01 PAIR TECHNICAL DATA

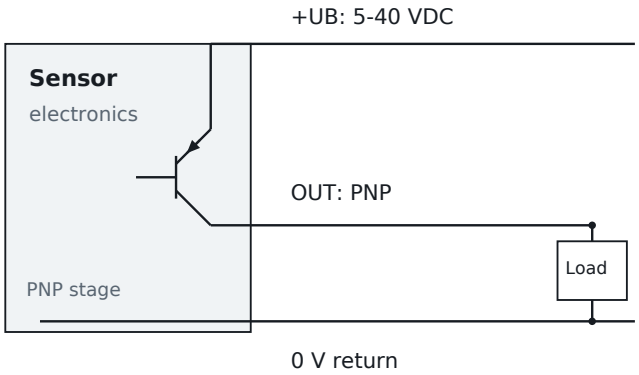
| | |
|---|---|
| Sensing principle | Through-beam laser |
| Nominal sensing range | 20 m |
| Light source | Red laser |
| Supply voltage | 5-40 VDC |
| Output configuration | PNP sourcing |
| Switching function | Normally open (NO) |
| Diameter (each) | 18 mm |
| Length (each) | 60 mm |
| Sensor pair | TX + RX |
| Connection | Pre-wired cable |

## 02 DIMENSIONS: TX AND RX




Each sensor: 60 mm long, Ø18 mm. Cable excluded.

## 03 RECEIVER PNP NO CIRCUIT




Connect the load / PLC input between OUT and 0 V. The output supplies positive voltage when a target is detected.

## 04 SWITCHING OPERATION

| Beam interruption | Output state | Load / PLC input |
|---|---|---|
| Clear beam | OFF | Inactive |
| Beam interrupted | ON | Active |

### INSTALLATION

Mount TX and RX facing each other. Align the transmitter spot with the receiver optical face. Position the target to interrupt the beam and verify switching with the actual part.