M12 THROUGHBEAM SENSOR

5 m sensing range | TX + RX

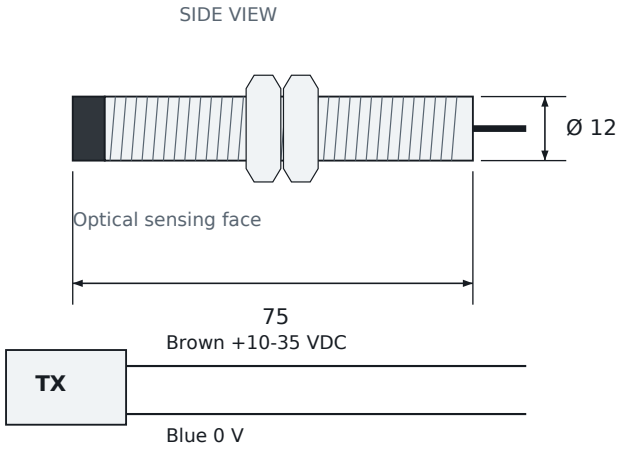


5 m / PNP NO / 10-35 VDC

01 PAIR TECHNICAL DATA

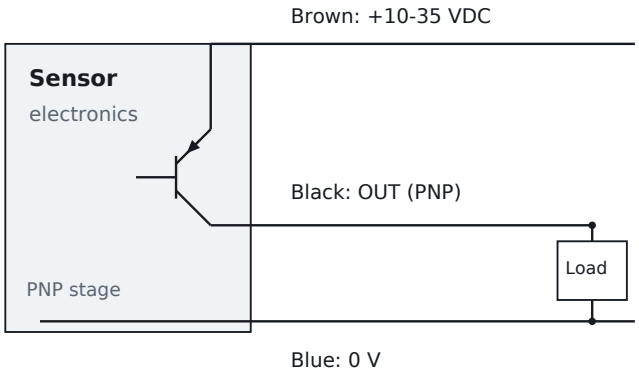
Sensing principle	Throughbeam infrared
Nominal sensing range	5 m
Light source	Infrared
Supply voltage	10-35 VDC
Output configuration	PNP sourcing
Switching function	Normally open (NO)
Diameter (each)	12 mm
Length (each)	75 mm
Sensor pair	TX + RX
Connection	Pre-wired cable

02 DIMENSIONS: TX AND RX



Each sensor: 75 mm long, Ø12 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 optical axis with the receiver optical face. Position the target to interrupt the beam and verify switching with the actual part.