

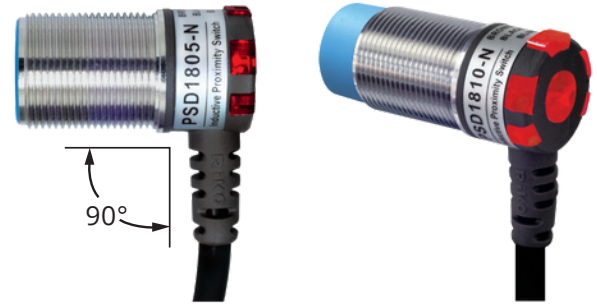
# Tubular Inductive Proximity Sensor

## M18



### Characteristic

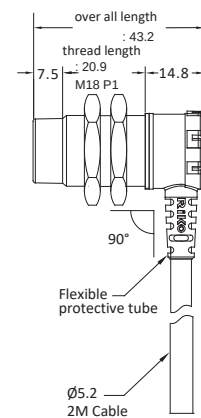
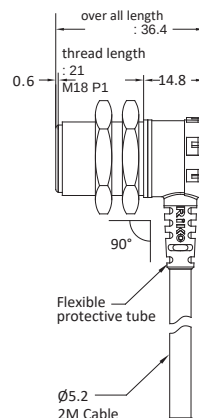
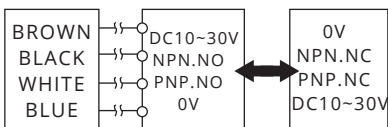
- 90 degree wiring, saving space.
- Large LED indicator, check the operation clearly.
- Anti-bending connection design.
- Surge suppressor and overload protection .



Model	NPN N.O. / N.C. PNP N.O. / N.C.	PSD1805-NP	PSD1808-NP
Sensing distance		5 mm ±10%	8 mm ±10%
Secure sensing distance		0 ~ 4.0 mm	0 ~ 6.4mm
Standard sensing object		Iron / 18× 18 × 1 mm	
Sensing type		Shielded	Unshielded
Description		Standard M18	
Hysteresis		≤10 % of sensing distance	
Response time		600 Hz	
Operating voltage		DC 12 ~ 30 V	
Current consumption		≤ 14 mA no-load	
Load current		100 mA Max. at DC 24V	
Residual voltage		≤ DC 2V	
Insulation resistance		20MΩ min. (DC500V)	
Voltage withstandability		AC1000V 60Hz for 60 Sec.	
Operating temperature		-20°C ~ + 60°C	
Protection degree		IP 67	
Option		M124R-PVC-2M	
Wiring method		Ø5.2 x 2M / 4 wires	
Weight		86g	

### Wiring diagrams

- NP



M18

- Ø3
- Ø4
- M5
- Ø6
- M8
- M12
- M18
- M30

- JM
- JN
- KND
- PN
- PND
- RN
- SN
- SID
- SIR
- SIA
- KC
- KCT
- KCP