

SMP 7400-IO TP J

Diffuse Proximity

Photoelectric Sensors



Product Data	
Function	Both
Operation Mode	Diffuse Proximity
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	4 pin, M12 plug
Sensing Range	0,5 m
Output	NPN (IO-Link)
Output Status	N.C./N.O.
Housing Material	Plastic
Housing	M18 x 1
Features	IO-Link communication port

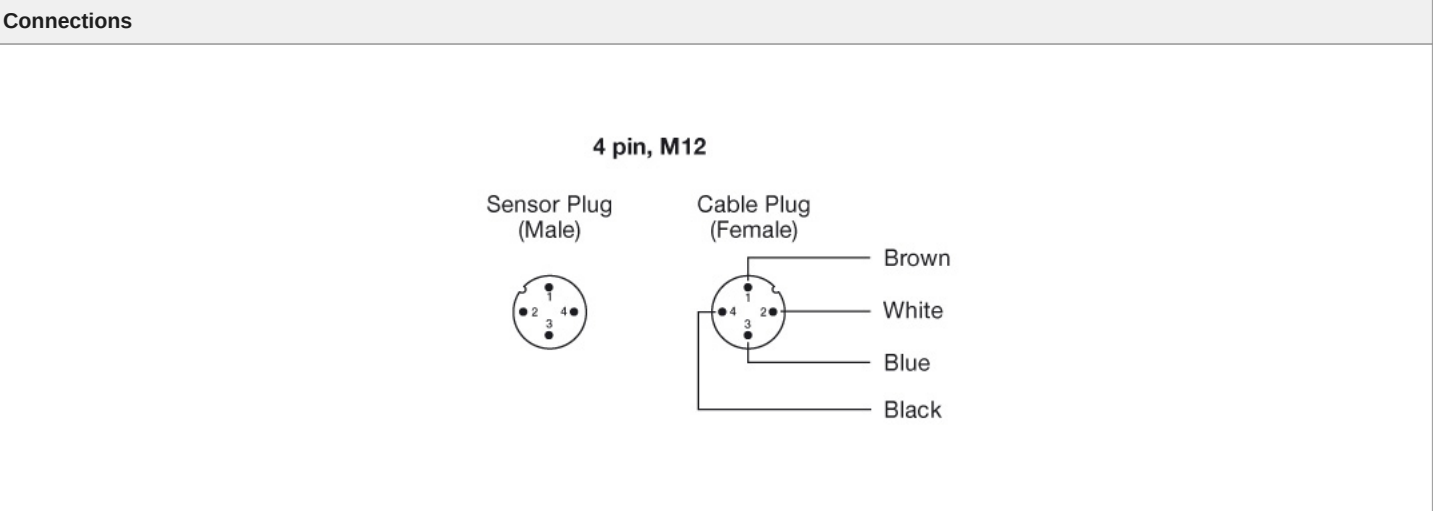
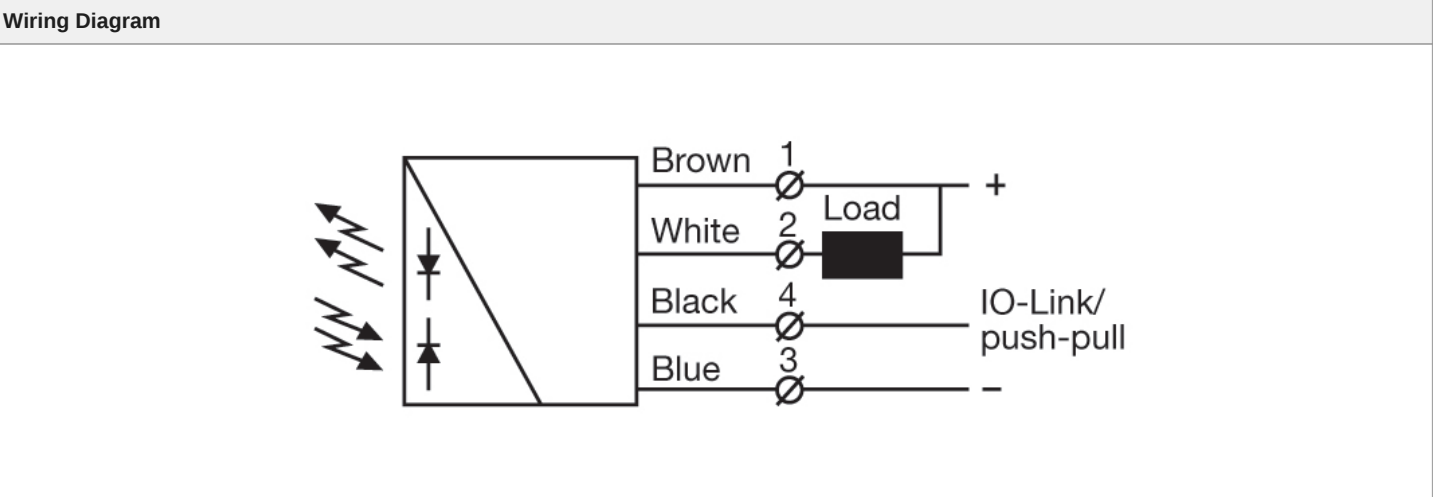
Technical Data	
Supply Voltage	10 - 30 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	30 mA
Max. Output Load	200 mA / 30 V dc
Max. Residual Voltage	2 V
Max. Operation Frequency	250 Hz
Response Time ton / toff	2 ms / 2 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
Hysteresis	Approx. 3 - 10 %
Opening Angle	+/- 4°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate

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 67
Light Immunity 5°	40 000 lux

Approvals



 IO-Link



Displacement (m)

Range (m)

SMP 7x00 with 20cm x 20cm white paper

Technical drawing of the M18 x 1 sensor head. The drawing shows a side view of the sensor with the following dimensions and labels:

- Overall length: 5 + 34 + 38 = 77 mm
- Threaded section length: 5 mm
- Knurled section length: 34 mm
- Body length: 38 mm
- Threaded section diameter: M18 x 1
- Knurled section diameter: 24 mm
- Body diameter: M12 x 1
- Knurled section width: 8 mm
- Labels on the body:
 - Output indicator
 - Light/dark switch
 - Power on indicator
 - Sensitivity adjustment