SMR 7420-IO TS J

Thru Beam

Photoelectric Sensors



Compatible Transmitter:

SMT 7000-IO TS J

Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	4 pin, M8 plug
Sensing Range	20 m
Output	NPN (IO-Link)
Output Status	N.C./N.O.
Housing Material	Stainless Steel
Housing	M18 x 1
Features	IO-Link communication port

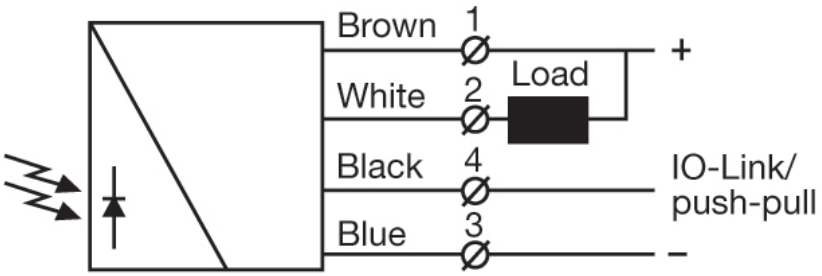
Technical Data	
Supply Voltage	10 - 30 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	30 mA
Max. Output Load	200 mA / 30 V dc
Max. Residual Voltage	2 V
Max. Operation Frequency	250 Hz
Response Time ton / toff	2 ms / 2 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
Hysteresis	Approx. 15 - 20 %
Opening Angle	+/- 6°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Stainless Steel (AISI 316 / 1.4401)

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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 67
Light Immunity 5˚	20 000 lux

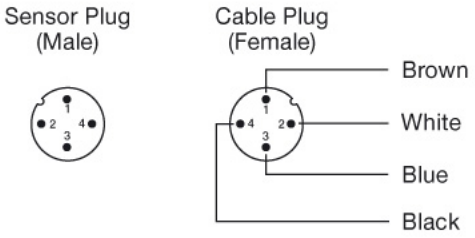
Approvals

Wiring Diagram



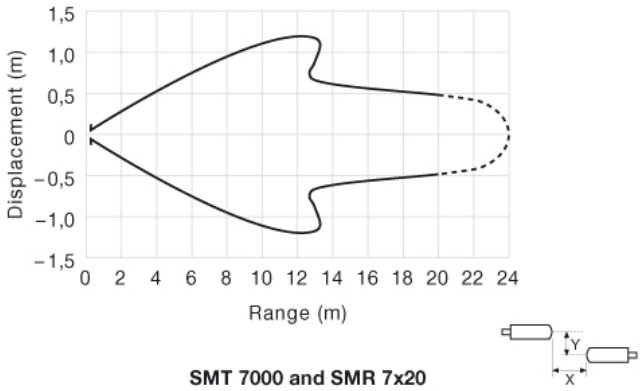
Connections

4 pin, M12



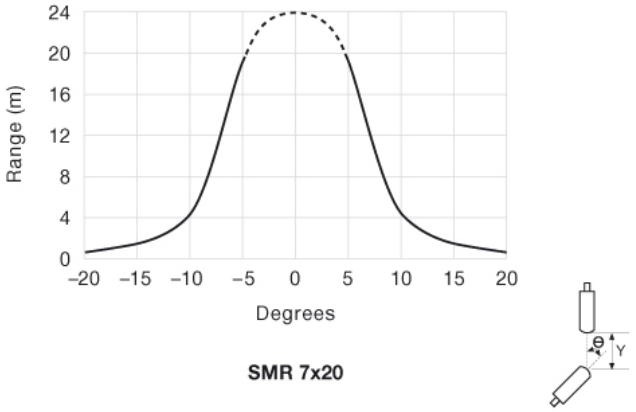
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Parallel Displacement



SMT 7000 and SMR 7x20

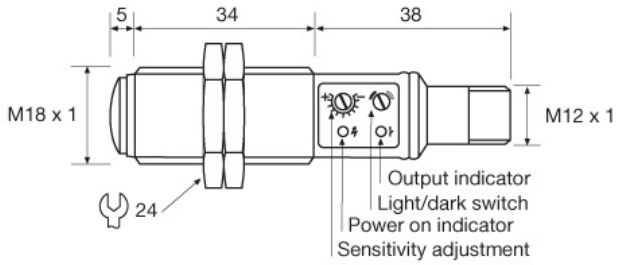
Angular Displacement



SMR 7x20

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Dimensions



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