SMR 6402 TS J

Thru Beam

Photoelectric Sensors



Compatible Transmitter:
SMT 6000 TS J

Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	10 - 32 V dc
Connection	4 pin, M12 plug
Sensing Range	2 m
Output	NPN/PNP
Output Status	N.O.
Housing Material	Stainless Steel
Housing	M12 x 1

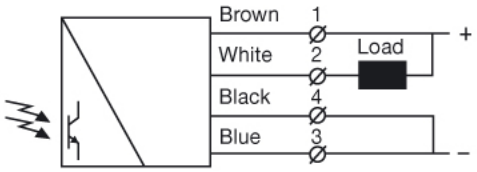
Technical Data	
Supply Voltage	10 - 32 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	Max. 320 mW
Max. Output Load	100 mA
Max. Residual Voltage	2,5 V
Max. Operation Frequency	1000 Hz
Response Time ton / toff	0,5 ms / 0,5 ms
Output Indicator	Yellow LED
Hysteresis	Approx. 30 %
Opening Angle	+/- 6°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Stainless Steel (AISI 316 / 1.4401)
Cable	3/4 x 0,14 mm²
Cable Sleeve	PVC Ø 4,0 mm

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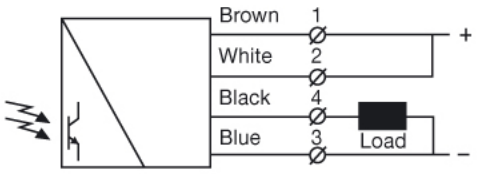
Environmental Data	
Vibration	10 - 55 Hz, 0.5 mm
Shock	30 g
Operation Temperature	-20 to +60 °C
Storage Temperature	-40 to +80 °C
Sealing Class	IP 67
Light Immunity 5˚	> 50 000 lux

Approvals

Wiring Diagram



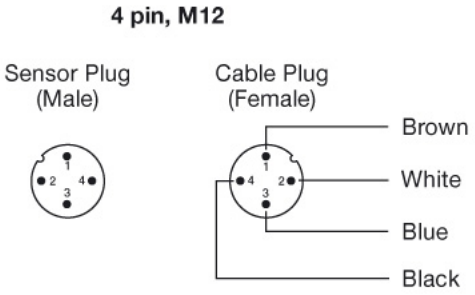
Load as NPN



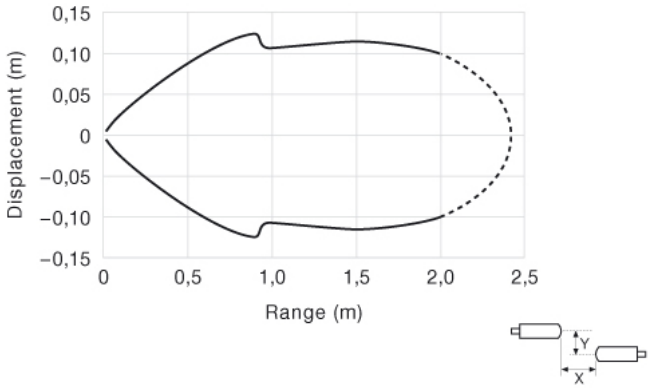
Load as PNP

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Connections



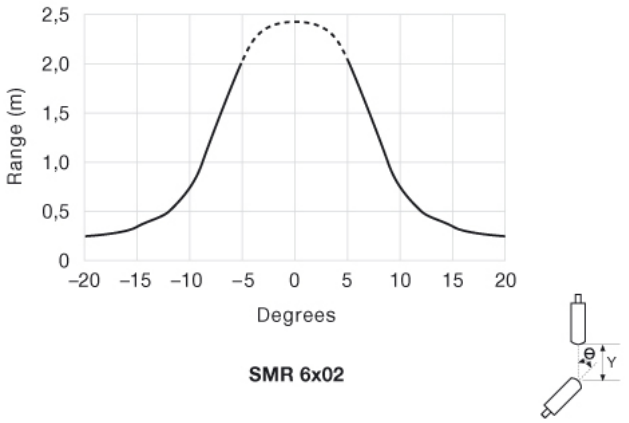
Parallel Displacement



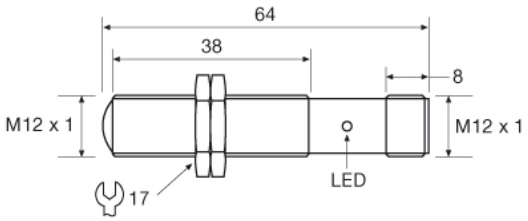
SMT 6000 and SMR 6x02

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Angular Displacement



Dimensions



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