

SMR 7620 TP J**Thru Beam**

Photoelectric Sensors

Compatible Transmitter:

SMT 7000 TP 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, M12 plug
Sensing Range	20 m
Output	NPN/PNP
Output Status	N.C./N.O.
Housing Material	Plastic
Housing	M18 x 1

Technical Data	
Supply Voltage	10 - 30 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Current Consumption	15 mA
Max. Output Load	120 mA / 30 V dc
Max. Residual Voltage	2 V
Max. Operation Frequency	250 Hz
Response Time t_{on} / t_{off}	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	Polycarbonate

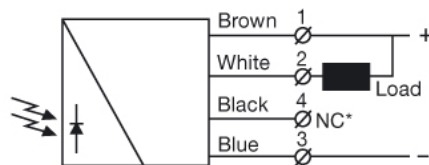
Environmental Data

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*	> 20 000 lux

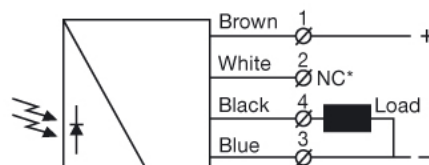
Approvals



Wiring Diagram



*Do not connect black wire
Load as **NPN**



*Do not connect white wire
Load as **PNP**

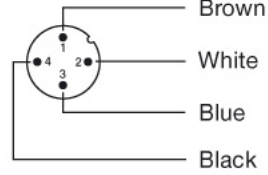
Connections

4 pin, M12

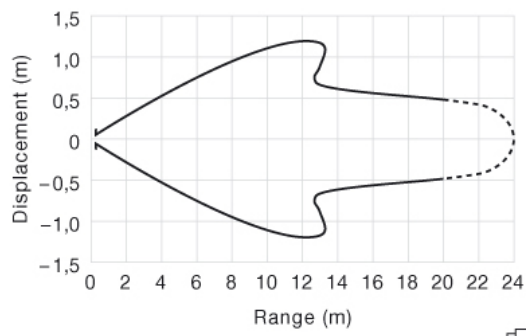
Sensor Plug
(Male)



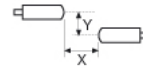
Cable Plug
(Female)



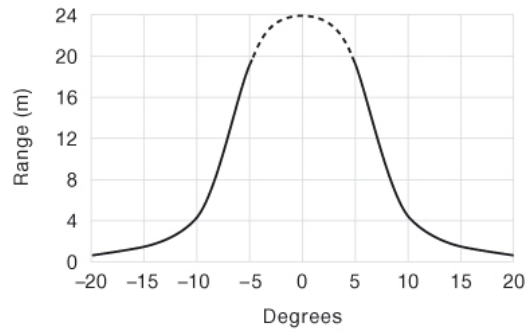
Parallel Displacement



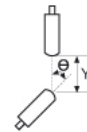
SMT 7000 and SMR 7x20



Angular Displacement



SMR 7x20



Dimensions

