

SMR 7620 TS J

Thru Beam

Standard, Photoelectric Sensors

Compatible Transmitter:

SMT 7000 TS J



Product Data	
Function:	Receiver
Supply Voltage:	10 - 30 V dc
Light Source:	-
Housing Material:	Stainless Steel
Housing:	M18 x 1
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.
Operation Mode:	Thru Beam

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
Power On Indicator:	Green LED
Output Indicator:	Yellow LED
Hysteresis:	Approx. 15 - 20 %
Light Source:	-
Opening Angle:	+/- 6°
Emission Angle:	-
Cable:	4 x 0,14 mm²

Response Time ton / toff:	2 ms / 2 ms
Housing Material Sensor Housing:	Stainless Steel (AISI 316 / 1.4401)
Housing Material Lens Cover:	Polycarbonate
Cable Sleeve:	PVC Ø 4,0 mm
Test Input:	-
Control Input:	-

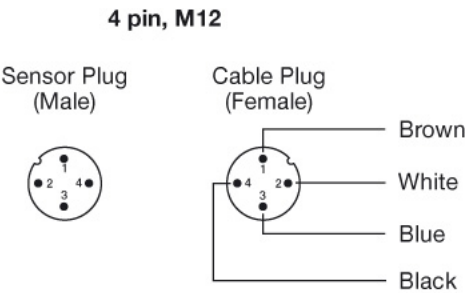
Environmental Data

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
Light Immunity 15°:	-

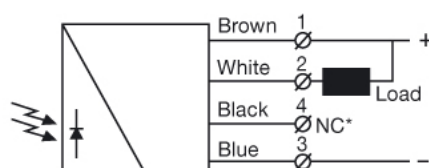
Approvals



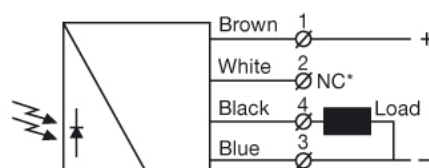
Connections



Wiring Diagram

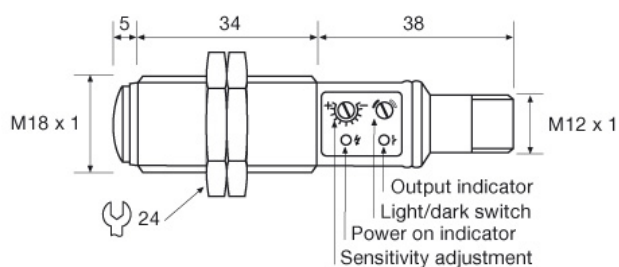


*Do not connect black wire
Load as NPN



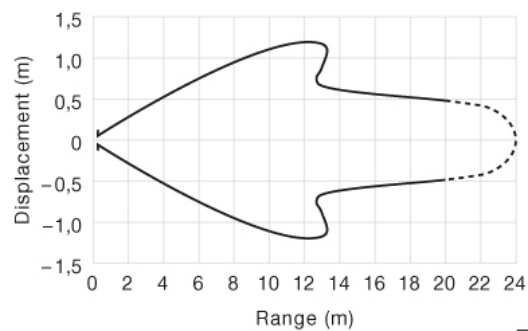
*Do not connect white wire
Load as PNP

Dimensions

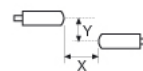


Sensing Characteristics

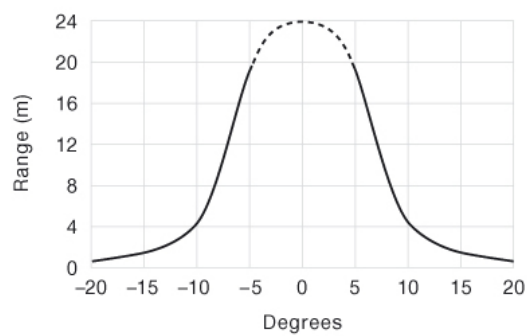
Parallel Displacement



SMT 7000 and SMR 7x20



Angular Displacement



SMR 7x20

