

SMT 8000 MG J

Thru Beam

Standard, Photoelectric Sensors

Compatible Receivers:

SMR 8400 MG J, SMR 8420 MG J, SMR 8500 MG J, SMR 8520 MG J



Product Data	
Function:	Transmitter
Supply Voltage:	10 - 30 V dc
Light Source:	Infrared (880 nm)
Housing Material:	Stainless Steel
Housing:	M18 x 1
Control Feature:	Test input
Connection:	4 pin, M12 plug
Sensing Range:	20 m
Output:	-
Output Status:	-
Operation Mode:	Thru Beam

Technical Data	
Supply Voltage:	10 - 30 V dc
Voltage Ripple:	15 %
Reverse Polarity Protected:	Yes
Short Circuit Protected:	-
Current Consumption:	15 mA
Max. Output Load:	-
Max. Residual Voltage:	-
Max. Operation Frequency:	-
Power On Indicator:	Green LED
Output Indicator:	-
Hysteresis:	-
Light Source:	Infrared (880 nm)
Opening Angle:	-
Emission Angle:	+/- 2°
Cable:	3 x 0,14 mm ²

Response Time ton / toff:	-
Housing Material Sensor Housing:	Stainless Steel (AISI 316 / 1.4401)
Housing Material Lens Cover:	Polycarbonate
Cable Sleeve:	PVC Ø 4,0 mm
Test Input:	Yes
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':	-
Light Immunity 15':	-

Approvals



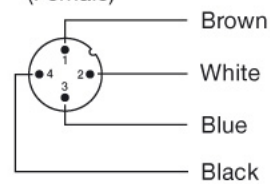
Connections

4 pin, M12

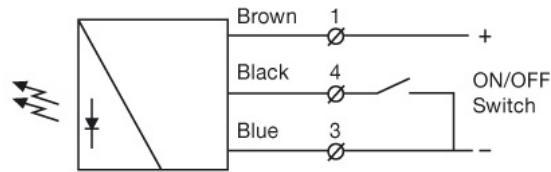
Sensor Plug
(Male)



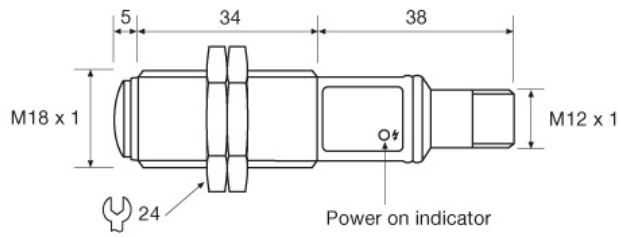
Cable Plug
(Female)



Wiring Diagram

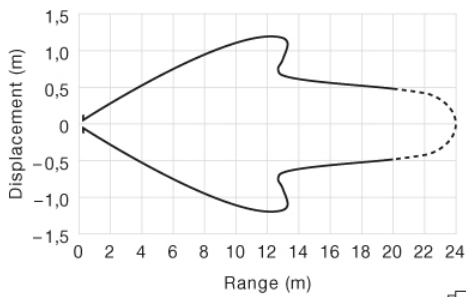


Dimensions

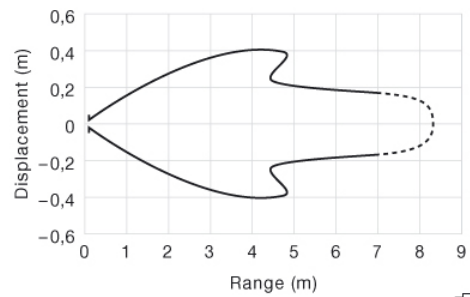
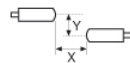


Sensing Characteristics

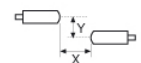
Parallel Displacement



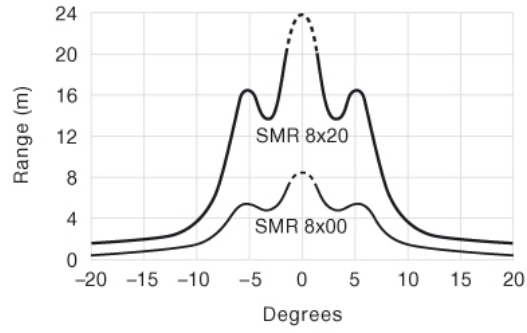
SMT 8x00 and SMR 8x20



SMT 8x00 and SMR 8x00



Angular Displacement



SMT 8000

