

SMT 8000 PG J

Thru Beam

Photoelectric Sensors

Compatible Receivers:

SMR 8400 PG J

SMR 8500 PG J

SMR 8520 PG J

SMR 8420 PG J



Product Data

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

Technical Data

Supply Voltage	10 - 30 V dc
Voltage Ripple	15 %
Reverse Polarity Protected	Yes
Current Consumption	15 mA
Test Input	Yes
Power On Indicator	Green LED
Light Source	Infrared (880 nm)
Emission Angle	+/- 2°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate

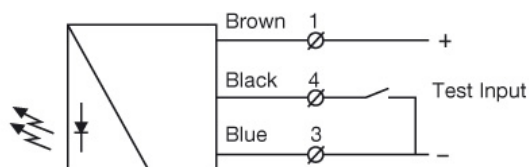
Environmental Data

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

Approvals

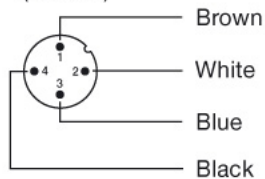


Wiring Diagram

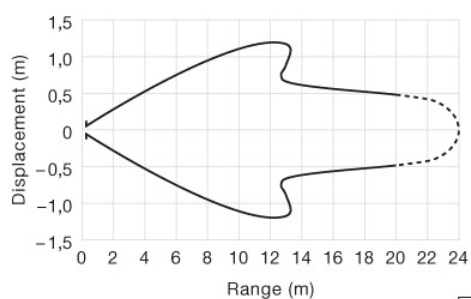


Connections

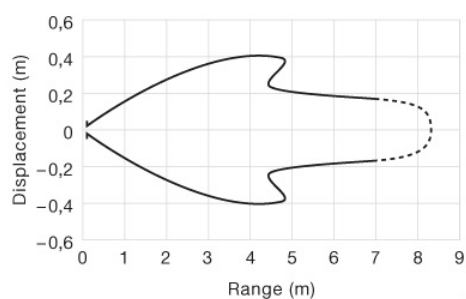
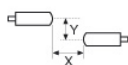
4 pin, M12

Sensor Plug
(Male)Cable Plug
(Female)

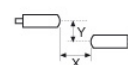
Parallel Displacement



SMT 8x00x and SMR 8x20



SMT 8x00 and SMR 8x00



Range (m)

SMR 8x20

SMR 8x00

Degrees

SMT 8x00x

θ

Y

Technical drawing of the front view of the M18 x 1 / M12 x 1 adapter. The drawing shows a cylindrical component with a threaded section on the left (M18 x 1) and a smaller threaded section on the right (M12 x 1). A central section features a power on indicator (a small circle with a plus sign) and a 24mm wide section with a hexagonal shape. Dimensions are provided: 5mm for the left thread, 34mm for the central section, 38mm for the right thread, and 8mm for the distance from the indicator to the right thread. A wrench icon is shown next to the 24mm dimension.