SMR 8420 PG 5

Thru Beam

Photoelectric Sensors

Compatible Transmitter:
SMT 8000 PG 5



Product Data	
Function	Receiver
Operation Mode	Thru Beam
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	5 m cable
Sensing Range	20 m
Output	NPN
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	5 mA
Max. Output Load	120 mA / 30 V dc
Max. Residual Voltage	1,5 V
Max. Operation Frequency	100 Hz
Response Time ton / toff	5 ms / 5 ms
Power On Indicator	Green LED
Output Indicator	Yellow LED
Hysteresis	Approx. 10 - 30 %
Opening Angle	+/- 6°
Housing Material, Front Lens	Polycarbonate
Housing Material, Sensor Housing	Polycarbonate
Cable	3 x 0,14 mm²

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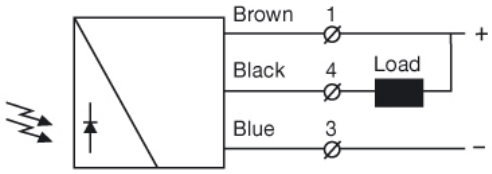
Cable Sleeve	PVC Ø 4,0 mm

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˚	> 10 000 lux

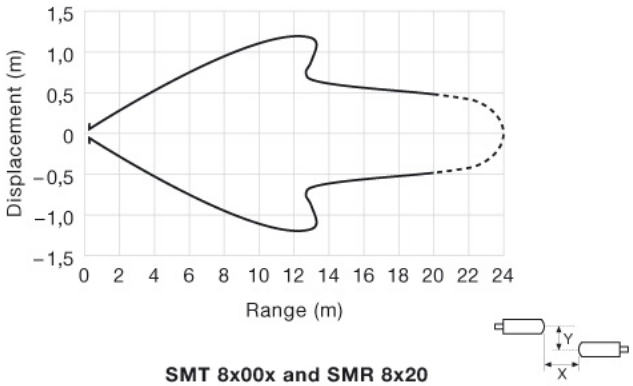
Approvals

CE UK CA

Wiring Diagram



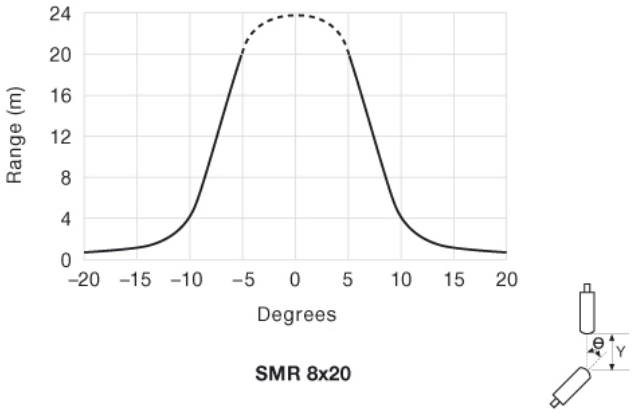
Parallel Displacement



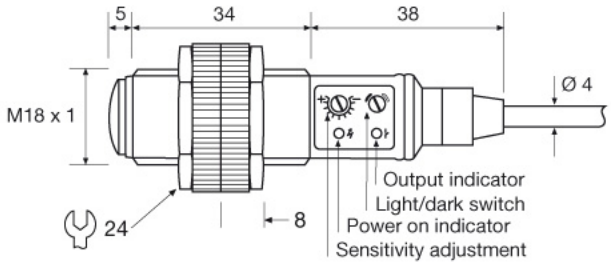
SMT 8x00x and SMR 8x20

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Angular Displacement



Dimensions



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