SPACEMASTER™ SERIES SM 8000

SMP 8500 MG J

Diffuse Proximity

Photoelectric Sensors



Product Data	
Function	Both
Operation Mode	Diffuse Proximity
Supply Voltage	10 - 30 V dc
Control Feature	Sensitivity pot. and light/dark switch
Connection	4 pin, M12 plug
Sensing Range	0,5 m
Output	PNP
Output Status	N.C./N.O.
Light Source	Infrared (880 nm)
Housing Material	Stainless Steel
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	14 mA	
Max. Output Load	120 mA / 30 V dc	
Max. Residual Voltage	1,5 V	
Max. Operation Frequency	250 Hz	
Response Time ton / toff	2 ms / 2 ms	
Power On Indicator	Green LED	
Output Indicator	Yellow LED	
Hysteresis	Approx. 5 - 15 %	
Opening Angle	+/- 4°	
Housing Material, Front Lens	Polycarbonate	
Housing Material, Sensor Housing	Stainless Steel (AISI 316 / 1.4401)	



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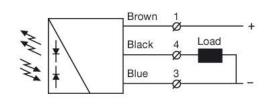
Cable	3 x 0,14 mm²
Cable Sleeve	PVC Ø 4,0 mm

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 15°	> 40 000 lux

Approvals



Wiring Diagram

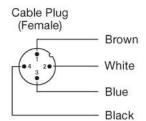


Connections

4 pin, M12

Sensor Plug (Male)







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