



SS-SP

SS4/0P-0E

Photo.M18,PNP-NO/NC,M12 plug,Diffuse

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	200mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse reflection (short distance, ≤200mm)
Notes	white target Kodak 90% 100 x 100mm
Optic position	Axial

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	250Hz

Response time	2ms
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Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Housing material	PBT / PC plug
Connections	M12 plug

Active Head Material	PMMA
Tightening torque	1Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Accessories

Supplied Accessories	nuts M18 x 1, screwdriver
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Generical Data

Dimensions	M18 x 1 /L =78mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

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