

Image:

MS-MP

MS4/00-1H

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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	200mm
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Diffuse reflection (short distance, $\leq 200\text{mm}$)
Notes	white target Kodak 90% 200 x 200mm
Optic position	Axial

Outputs

Output type	Decout NPN/PNP Selectable NO/NC Selectable
Output Function	NO/NC Selectable

Switching frequency	80Hz
Response time	6,25ms

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 40mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Red (status output)
Time delay before availability	≤200ms
Short-circuit protection	Short circuit (autoreset), Overvoltage
Emission	LED Infrared (880nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Impulsive Overvoltage Protection

Mechanical data

Housing material	Nickel plated brass / PC plug
Connections	M12 plug
Active Head Material	PMMA

Tightening torque	25Nm
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Diameter/Dimension	M18
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Test/Approvals

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

Supplied Accessories	nuts M18 x 1
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Generical Data

Dimensions	M18 x 1 /L =93mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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**date of
printing**
10/08/2026
02:47:49