

Image:

MS-MP

MS2/00-0K

Photo.M18,NPN/PNP-NO/NC,M12 plug
90°,Dif

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	100mm
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Thermal drift of Sr	$\leq 10\%$ Sr
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Repeat Accuracy	5%
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Sensitivity adjustment	No
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Application

Function Principle	Diffuse reflection (short distance, $\leq 200\text{mm}$)
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Notes	white target Kodak 90% 100 x 100mm
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Optic position	Axial
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Outputs

Output type	Decout NPN/PNP Selectable NO/NC Selectable
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Output Function	NO/NC Selectable
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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	PBT / PC plug
Connections	M12 plug 90°
Active Head Material	PMMA

Tightening torque	1Nm
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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 =78,6mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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