



SA

SA6/0P-1C86

Photo.M18,PNP-NO/NC,Cable 90°,Diffuse

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	400mm
Thermal drift of Sr	10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse reflection (medium distance, ≤600mm)
Notes	white target Kodak 90% 100 x 100mm
Optic position	Axial

Outputs

Output type	PNP L/D Selectable
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Output Function	L/D Selectable
Switching frequency	1Khz
Response time	500μs

Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Green (powerON), Yellow (Status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)

Mechanical data	
Housing material	Nickel-plated brass / Nylon cable exit
Connections	5m PVC cable 90°

Active Head Material	PMMA
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Tightening torque	25Nm
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Diameter/Dimension	M18
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Test/Approvals

Approvals	CE
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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	21,4mmx90mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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