



SA

SA2/0P-0C86

Photo.M18,PNP-NO/NC,Cable 90°,Diffuse

TECHNICAL FEATURES

Detection properties

Nominal sensing distance 150mm

Thermal drift of Sr 10% Sr

Repeat Accuracy 5%

Sensitivity adjustment Trimmer

Application

Function Principle Diffuse reflection (short distance, $\leq 200\text{mm}$)

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	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	PBT / Nylon cable exit
Connections	5m PVC cable 90°

Active Head Material	PMMA
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Tightening torque	1Nm
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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	21,4mmx89,8mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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