



SA

SA6/0N-0C86

Photo.M18,NPN-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, $\leq 600\text{mm}$)
Notes	white target Kodak 90% 100 x 100mm
Optic position	Axial

Outputs

Output type	NPN L/D Selectable
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Output Function	L/D Selectable
Switching frequency	1Khz
Response time	500 μ s

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 30 mA
Load current	≤ 100 mA
Leakage current	≤ 10 μ A
Output voltage drop	≤ 2 V@Iload=100mA
Max ripple content	≤ 10 %
LED indicators	Green (powerON), Yellow (Status output)
Time delay before availability	≤ 200 ms
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
Tightening torque	1Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE
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
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Generical Data

Dimensions	21,4mmx89,8mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

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