

SS0/0N-0A

cylindrical photosensors

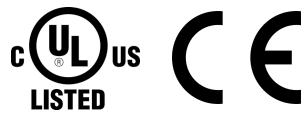
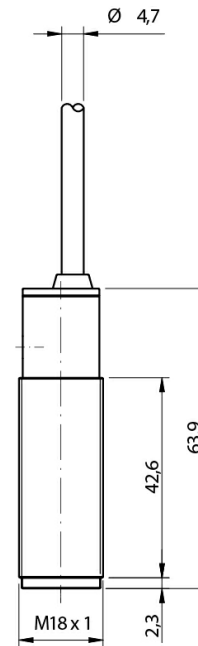


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	50mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
minimum detectable object	1mm
Sensitivity adjustment	No

Application

Function Principle	background suppression
Notes	with white target Kodak 90% 100 x 100
Optic position	Axial

Outputs

Output type	NPN
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Output Function	LO/DO selectable
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Switching frequency 1Khz

Electrical data

Operating Voltage 10...30Vdc

No-Load supply current $\leq 30\text{mA}$

Load current $\leq 100\text{mA}$

Leakage current $\leq 10\mu\text{A}$

Output voltage drop 1,2Vmax. IL =100 mA

Max ripple content 10%

LED indicators Yellow (output state)

Time delay before availability $\leq 200\text{ms}$

Short-circuit protection Yes

Reverse Polarity Protection Yes

Emission Red (660 nm)

Interference to external light 3000lux (incandescent lamp), 10000lux (sunlight)

Impulsive Overvoltage Protection Yes

Mechanical data

Dimensions M18 x 1/L=63,9mm

Weight 70g

Housing Material PBT / PC cable exit

Connections 2m PVC cable

Active Head Material PMMA

Tightening torque 1Nm

Operating temperature - 25°C...+ 70° C (Without freeze)

Diameter/Dimension M18

Test/Approvals

Approvals CE, cULus

EMC compatibility EN 60947-5-2

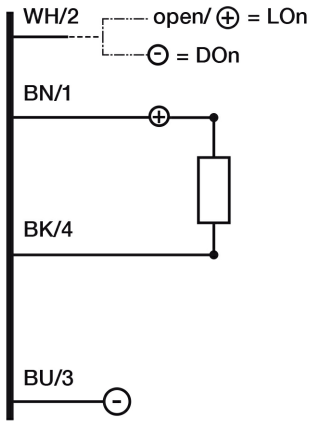
Shocks and vibrations Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Degree of protection IP67

Accessories

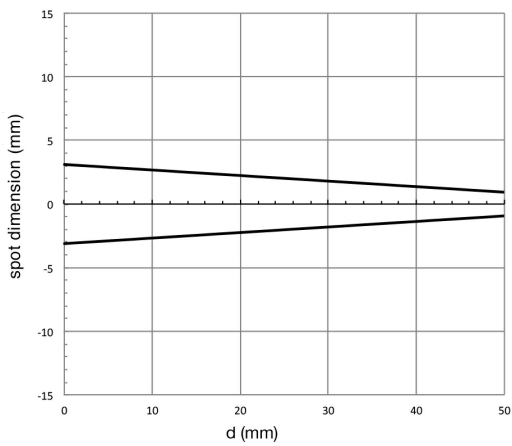
Supplied Accessories nuts M18 x 1

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

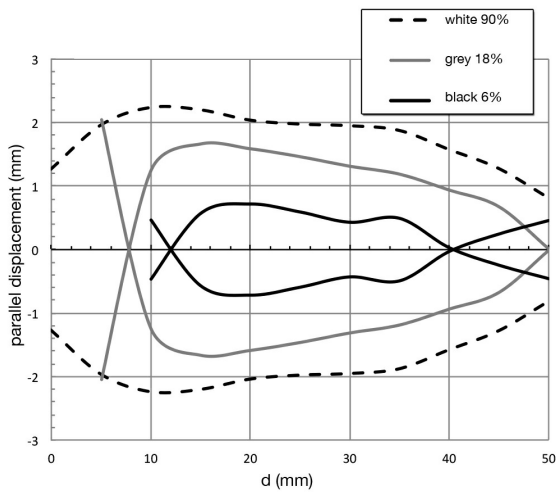


RESPONSE CURVES

Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno

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