

SSC/0N-1A

cylindrical photosensors

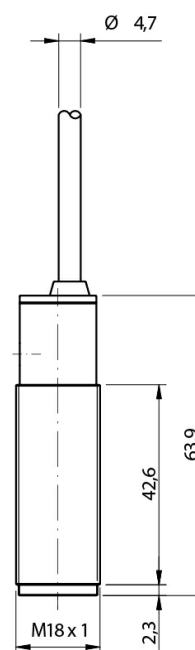


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	5m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Retroreflective
Notes	with RL100 retro reflector
Optic position	Axial

Outputs

Output type	NPN
Output Function	LO/DO selectable

Switching frequency 250Hz

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 Infrared (880 nm)

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

Impulsive Overvoltage Protection Yes

Mechanical data

Dimensions M18 x 1/L=63,9mm

Weight 130g

Housing Material Nickel plated brass / PC cable exit

Connections 2m PVC cable

Active Head Material PMMA

Tightening torque 25Nm

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

Diameter/Dimension M18

Test/Approvals

Approvals CE, cULus

EMC compatibility EN 60947-5-2

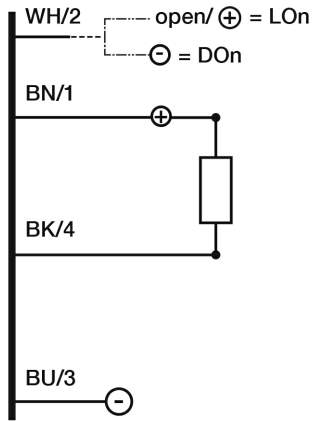
Shocks and vibrations Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Degree of protection IP67

Accessories

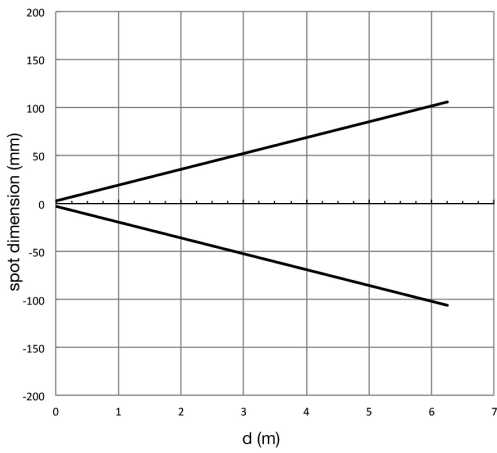
Supplied Accessories nuts M18 x 1

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

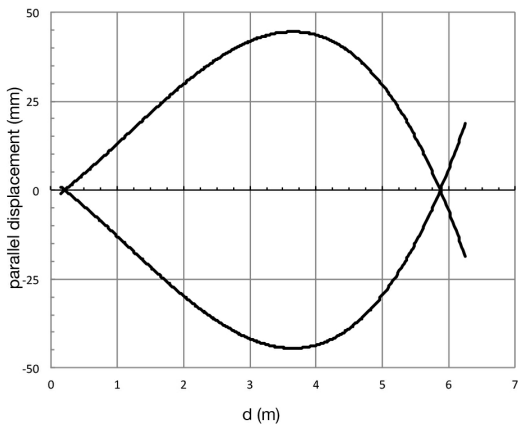


RESPONSE CURVES

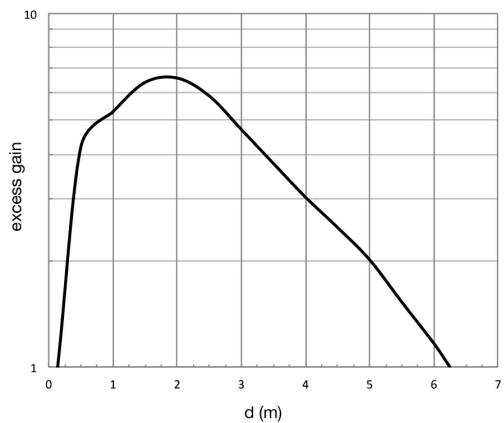
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



M.D. Micro Detectors S.p.A.

Strada S. Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@microdetectors.com

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