

SS7/0P-1E

cylindrical photosensors

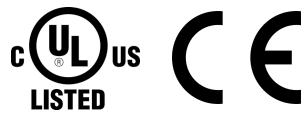
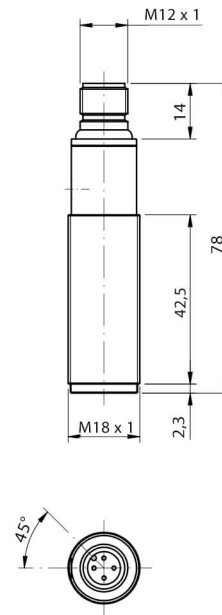


Micro Detectors

Italian Sensors Technology



Indicative image



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 90% Kodak 200x200mm
Optic position	Axial

Outputs

Output type	PNP
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 1,2V max. $I_L = 100\text{ mA}$

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 = 78mm

Weight 100g

Housing Material Nickel plated brass / PC plug

Connections M12 plug

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

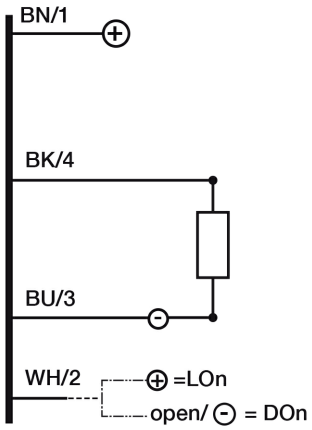
Shocks and vibrations Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Degree of protection IP67

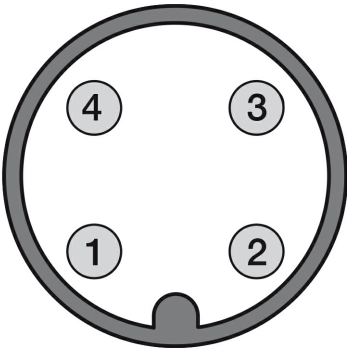
Accessories

Supplied Accessories nuts M18 x 1, screwdriver

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

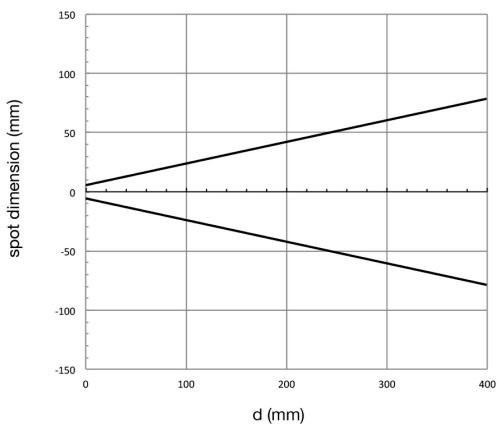


CONNECTOR

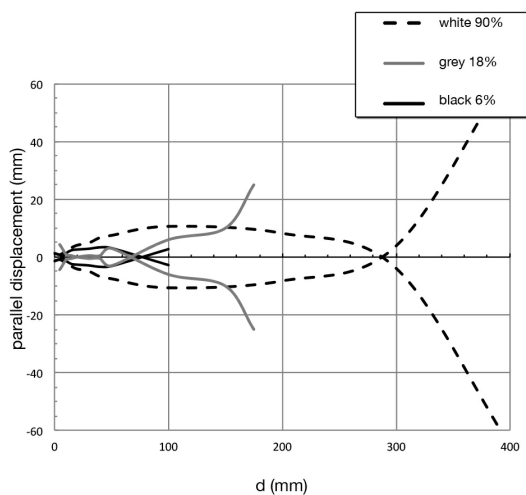


RESPONSE CURVES

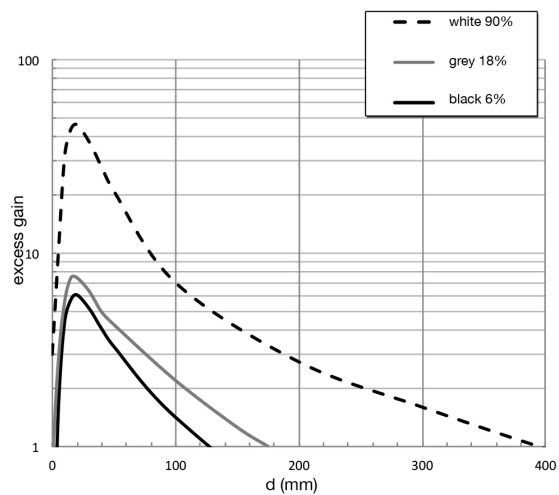
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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