

SS2/LN-0E

cylindrical photosensors

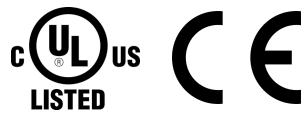
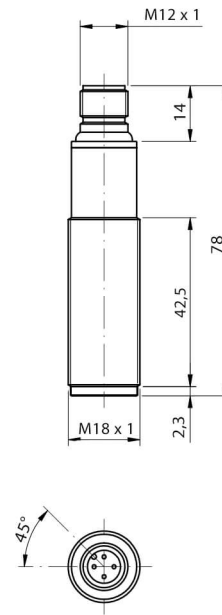


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	100mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Diffuse reflection (short distance, ≤200mm)
Notes	white target 90% Kodak 100x100mm
Optic position	Axial

Outputs

Output type	NPN
Output Function	LO

Switching frequency	250Hz
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Electrical data

Operating Voltage	10...30Vdc
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No-Load supply current	≤30mA
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Load current	≤100mA
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Leakage current	≤10μA
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Output voltage drop	1,2V max. IL =100 mA
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Max ripple content	10%
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LED indicators	Yellow (output state)
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Time delay before availability	≤200ms
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Emission	Infrared (880 nm)
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Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
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Impulsive Overvoltage Protection	Yes
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Mechanical data

Dimensions	M18 x 1 / L =78mm
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Weight	30g
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Housing Material	PBT / PC plug
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Connections	M12 plug
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Active Head Material	PMMA
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Tightening torque	1Nm
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Operating temperature	- 25°C...+ 70° C (Without freeze)
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Diameter/Dimension	M18
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Test/Approvals

Approvals	CE, cULus
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EMC compatibility	EN 60947-5-2
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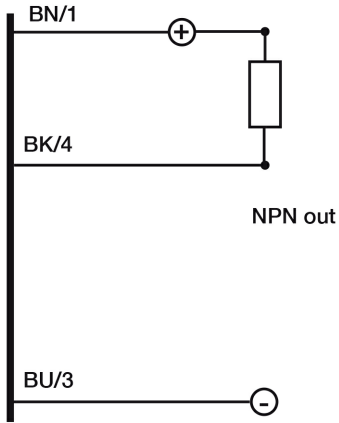
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Degree of protection	IP67
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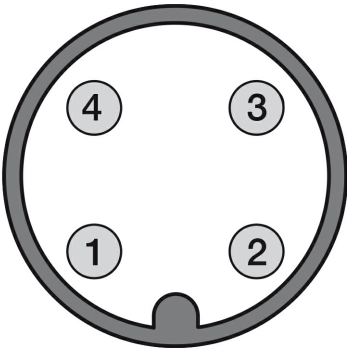
Accessories

Supplied Accessories	nuts M18 x 1
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS

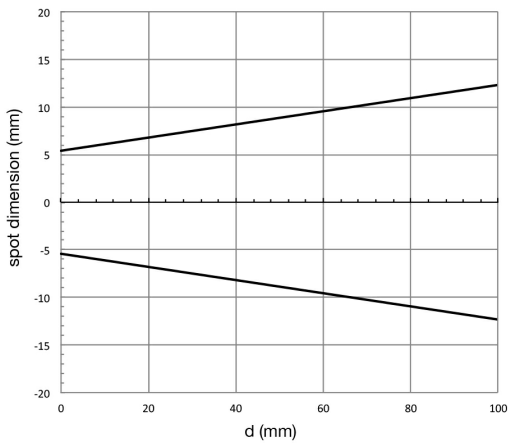


CONNECTOR

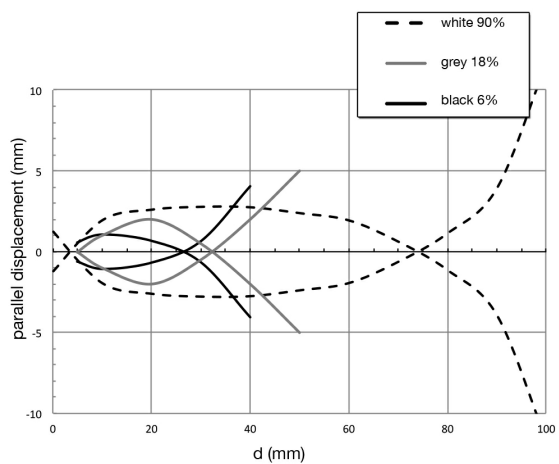


RESPONSE CURVES

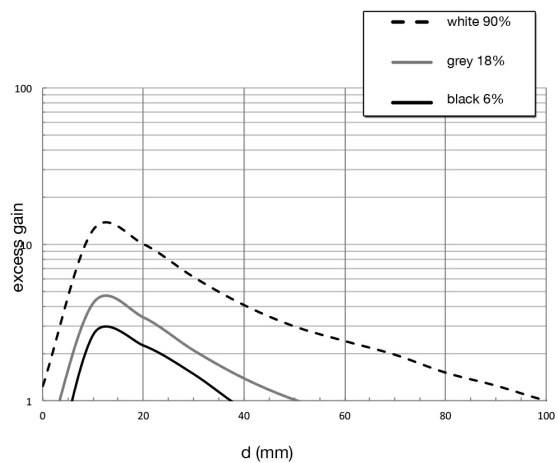
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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