

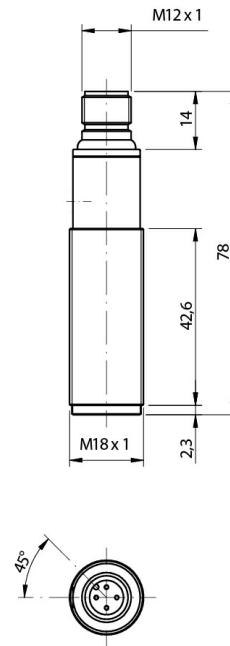
SSP/DP-1E

cylindrical photosensors



Micro Detectors

Italian Sensors Technology



Detection properties

Nominal sensing distance	4m
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Polarized
Notes	with RL100 retro reflector
Optic position	Axial

Outputs

Output type	PNP
Output Function	DO
Switching frequency	250Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	1,2Vmax. IL =100 mA
Max ripple content	10%
LED indicators	Yellow (output state)
Time delay before availability	≤200ms
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 =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

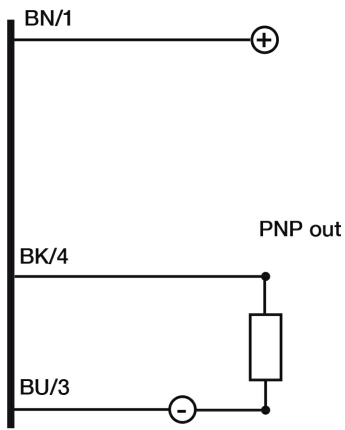
Test/Approvals

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

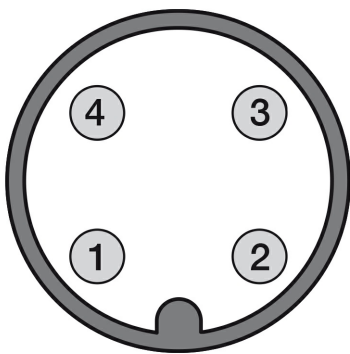
Accessories

Supplied Accessories	nuts M18 x 1
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS

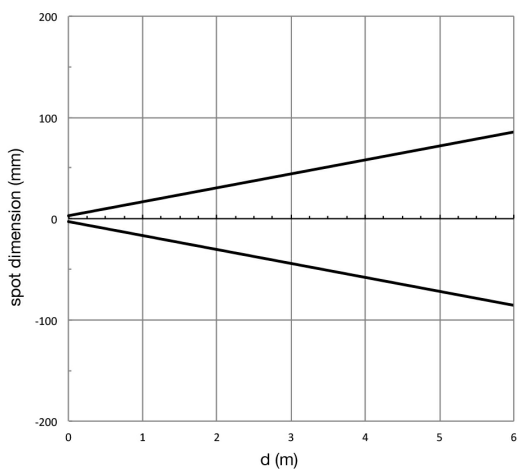


CONNECTOR

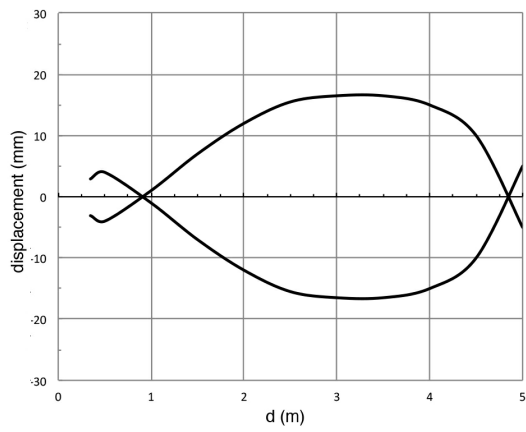


RESPONSE CURVES

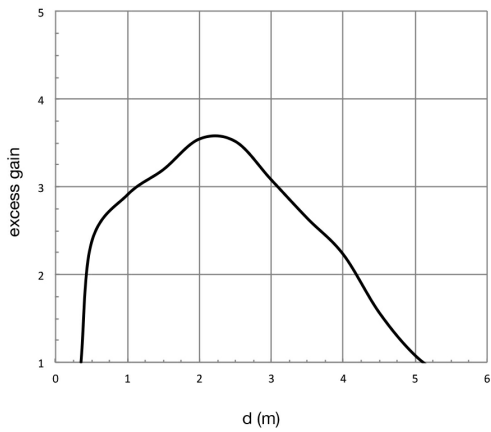
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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date of printing

18/11/2020 11:34:06