

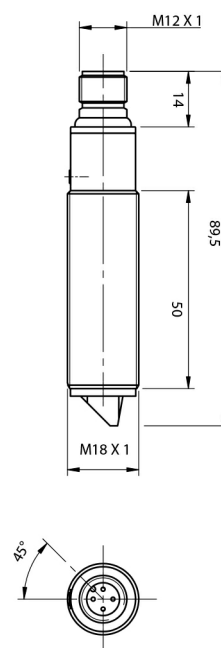
FBLN/BP-3E

cylindrical photosensors



Micro Detectors

Italian Sensors Technology



Detection properties

Nominal sensing distance 20m con RL110 ; 30m con RL201 , 5m con RL100D

Thermal drift of Sr $\leq 10\%$ Sr

Repeat Accuracy 5%

Sensitivity adjustment Teach-in

Application

Function Principle Polarizzata

Optic position Radiale (90°)

Outputs

Output type PNP

Output Function NO+NC

Switching frequency 800Hz

Electrical data

Operating Voltage 10-30Vdc

No-Load supply current	≤30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	2V max. IL =100 mA
Max ripple content	10%
LED indicators	Verde alimentazione/giallo(LightON EG≥2)/lampeggiante (LightON 1
Time delay before availability	≤200ms
Short-circuit protection	Cortocircuito (autoripristinante), sovratensioni
Reverse Polarity Protection	Inversione della polarità, sovratensione impulsiva
Emission	Diodo laser rosso (650nm) classe1 (IEC60825-1)
Interference to external light	3000lux (lampada ad incandescenza), 10000lux (luce solare)

Mechanical data

Dimensions	M18 x 1/L=89,5mm
Weight	70g
Housing Material	Ottone nichelato PA12
Connections	Connettore M12
Active Head Material	Vetro
Tightening torque	25Nm
Operating temperature	- 15°C...+ 55° C (conout freeze)

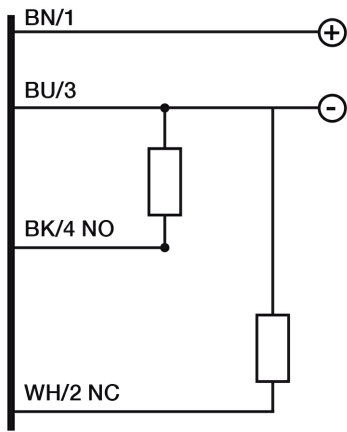
Test/Approvals

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

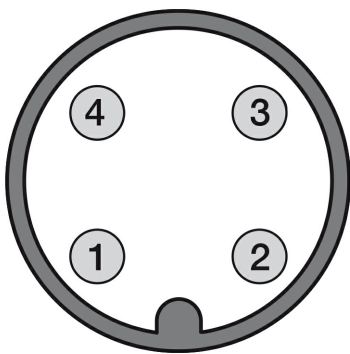
Accessories

Supplied Accessories	ghiere M18 x 1, cacciavite
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS

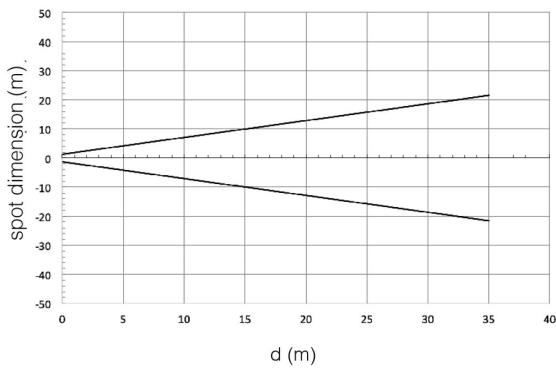


CONNECTOR

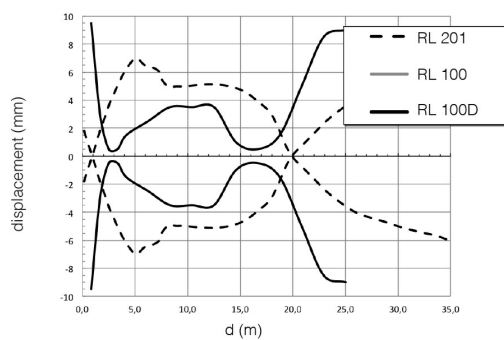


RESPONSE CURVES

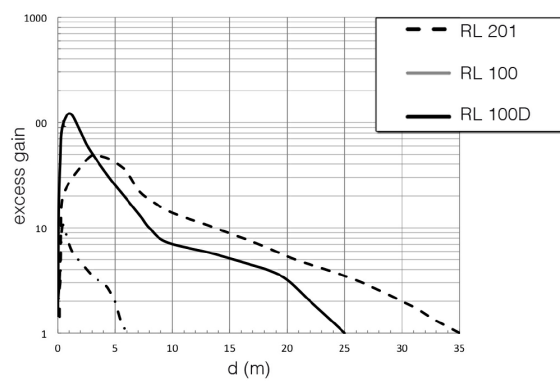
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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