

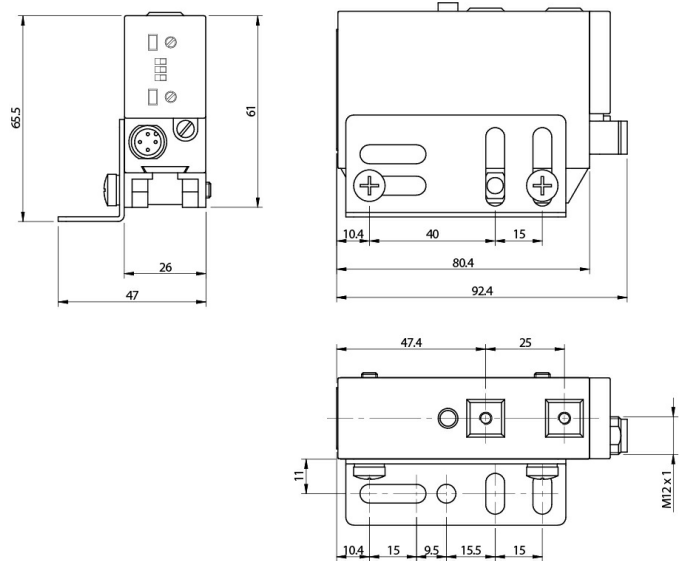
RXC/00-1B

cubic photosensors



Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	12m with standard reflector Ø80mm (RL110 supplied separately)
Thermal drift of Sr	10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Single-turn potentiometer

Application

Function Principle	Retro-reflective
Optic position	Axial

Outputs

Output type	Decout NPN/PNP Selectable
Output Function	Decout NO/NC Selectable
Switching frequency	500Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	25mA
Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,2V
Max ripple content	≤ 10%
LED indicators	Rear red (output state), superior red (alignment), green (stable signal)
Time delay before availability	100ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared (880nm)
Interference to external light	≥ 10000lux (incandescent lamp)

Mechanical data

Dimensions	26x86,6x61
Weight	90g
Connections	M12 plug
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

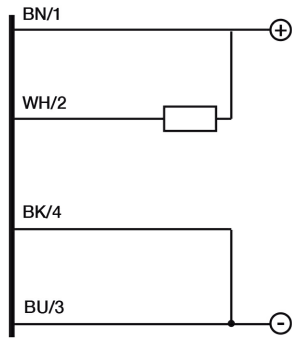
Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-28
Degree of protection	IP65

Accessories

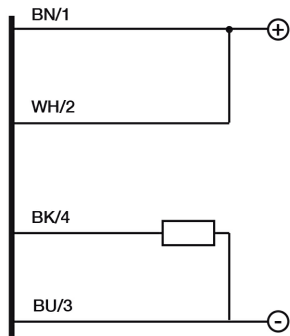
Supplied Accessories	ST81 mounting bracket and screws
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS

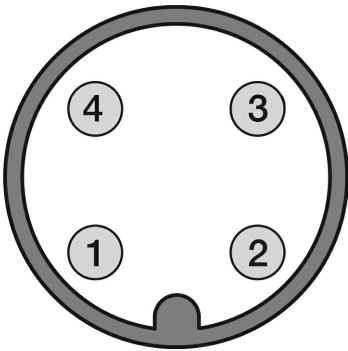
NPN



PNP

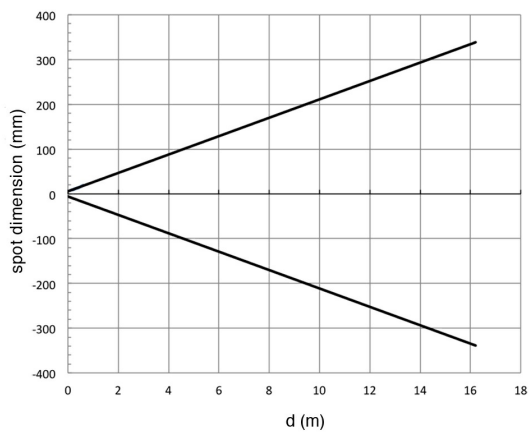


CONNECTOR

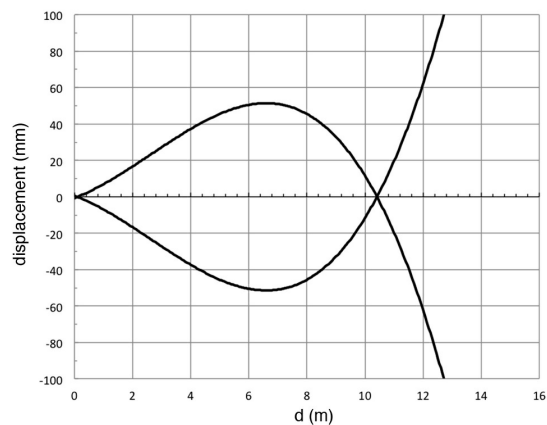


RESPONSE CURVES

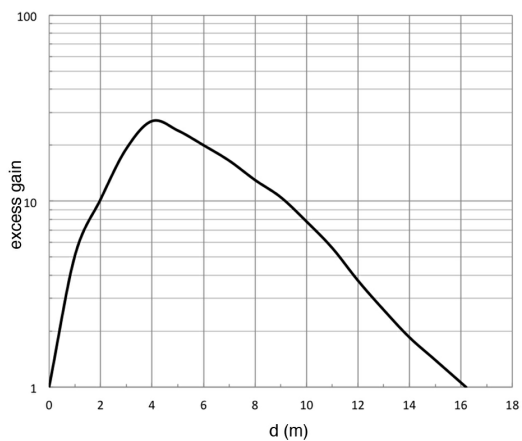
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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