

RX6/00-1A

cubic photosensors

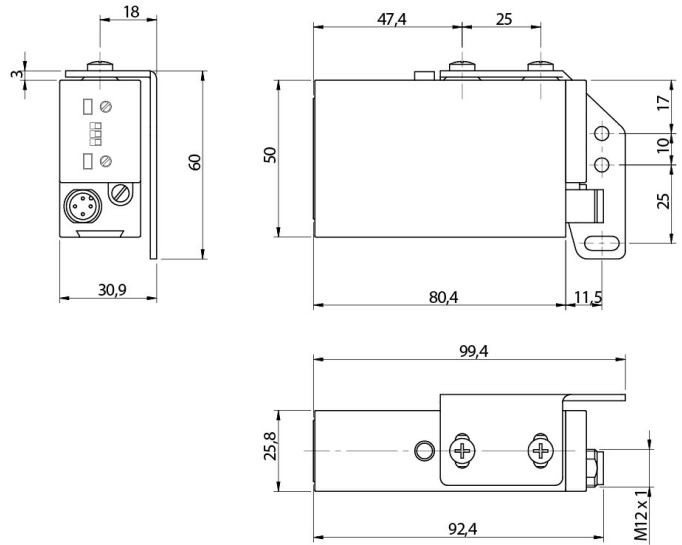


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	1m with white matt paper EG=1,5
Thermal drift of Sr	10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Single-turn potentiometer

Application

Function Principle	Diffuse reflection (long distance, >600mm)
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	≥ 5000lux (incandescent lamp)

Mechanical data

Dimensions	26x86,6x50
Weight	75g
Connections	M12 plug
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

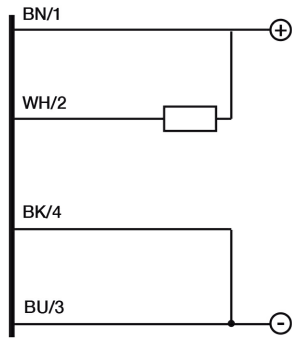
Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-28
Degree of protection	IP65

Accessories

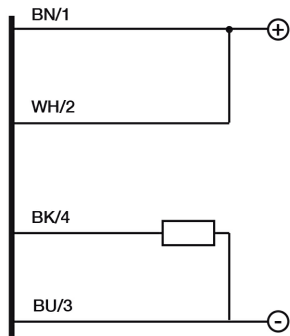
Supplied Accessories ST80 mounting bracket and screws

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

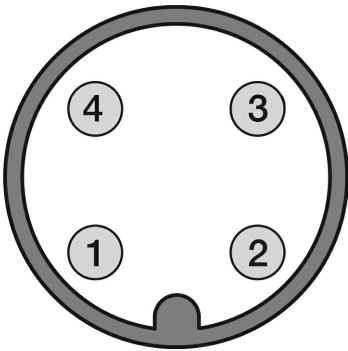
NPN



PNP

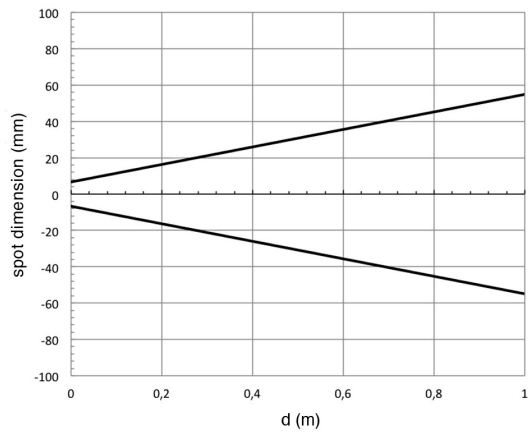


CONNECTOR

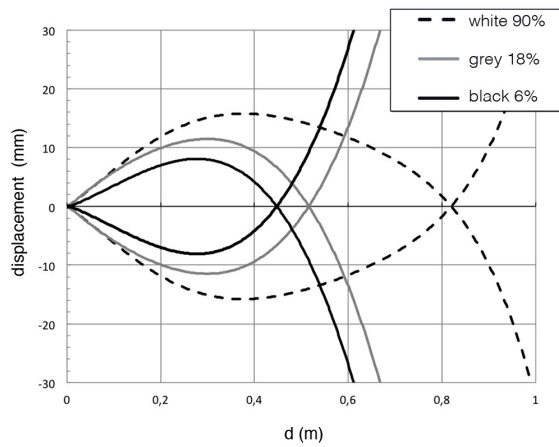


RESPONSE CURVES

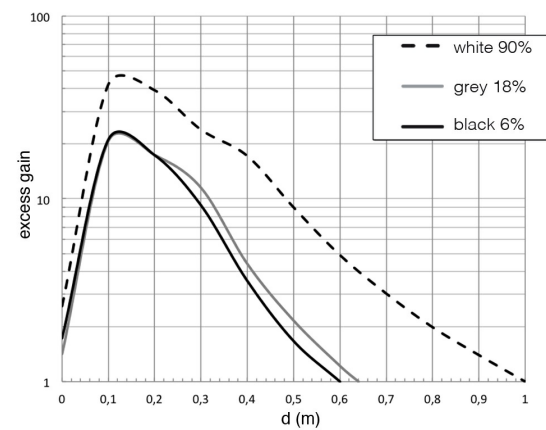
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



Fax 059 253973

E-mail info@microdetectors.com