

QX3/A0-1F

cubic photosensors

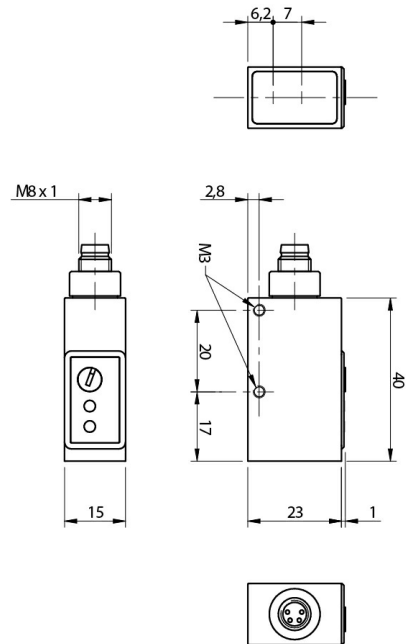


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	300mm
Repeat Accuracy	≤ 5%
Sensitivity adjustment	1 turn trimmer

Application

Function Principle	Diffuse reflection (medium distance, ≤600mm)
Optic position	Axial

Outputs

Output type	NPN/PNP Selectable
Output Function	NO
Switching frequency	750Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	20mA max
Load current	≤ 300mA
Leakage current	≤ 100μA @ 30Vdc
Output voltage drop	1,2V max

Max ripple content	≤ 10%
Time delay before availability	200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	infrared (880nm)
Interference to external light	3000lux Incandescent Lamp, 10000lux

Mechanical data

Dimensions	15x23x42
Weight	70g
Connections	M8 Plug 4pin
Active Head Material	Acrylic
Operating temperature	- 25°C...+ 70°C (without freeze)
Material	ABS
Diameter/Dimension	Cubic

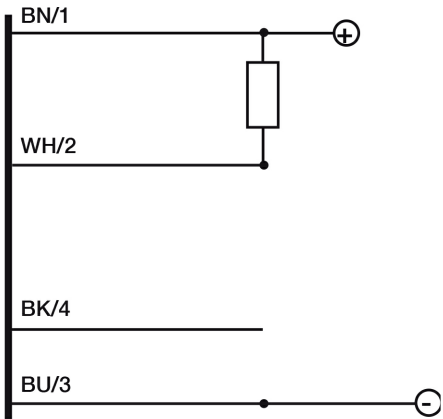
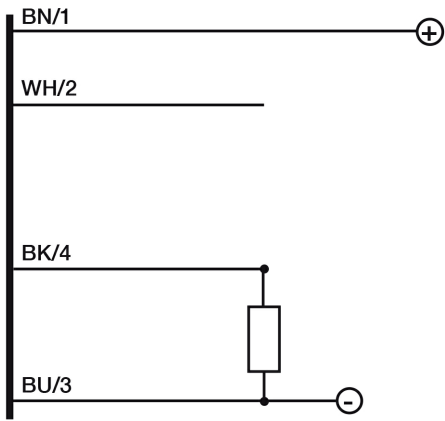
Test/Approvals

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

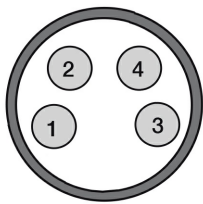
Accessories

Supplied Accessories ST70 mounting brakets and screws

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

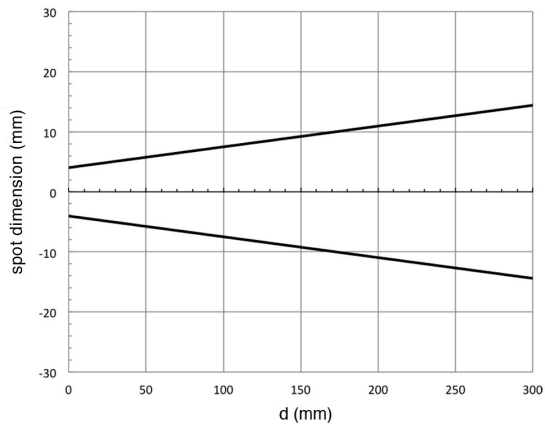


CONNECTOR

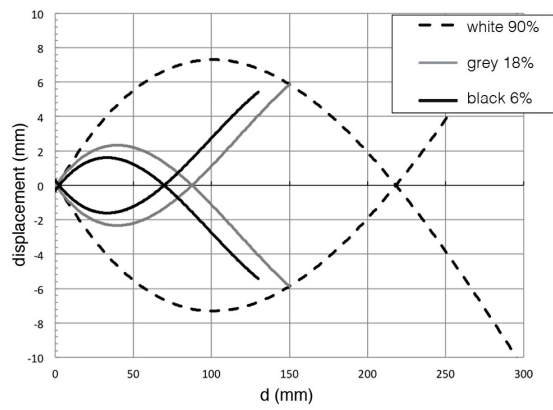


RESPONSE CURVES

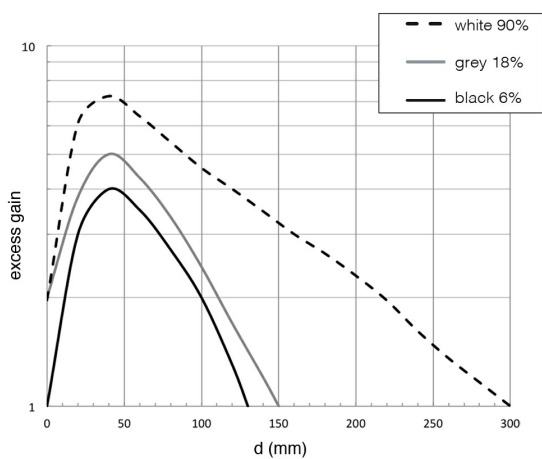
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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