

Q50IS/B0-0A

cubic photosensors

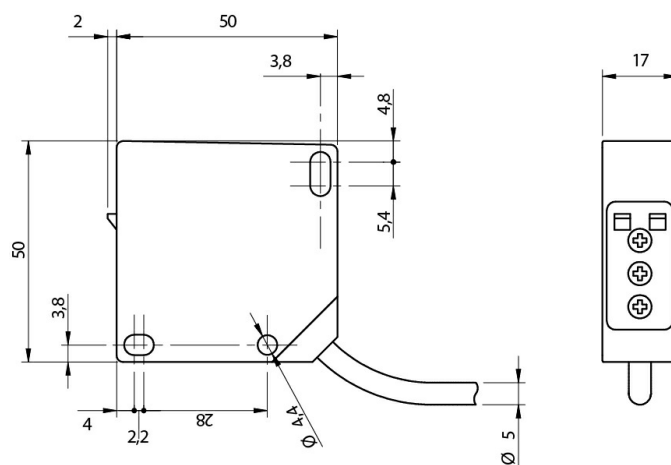


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance

120...500mm

Sensitivity adjustment

Single-turn potentiometer

Application

Function Principle

Background suppression

Optic position

Axial

Outputs

Output type

PNP or NPN

Output Function

NO+NC complementary

Switching frequency

500Hz

Electrical data

Operating Voltage

10-30Vdc (ripple included)

No-Load supply current

≤ 40mA

Load current

≤ 200mA

Output voltage drop	≤ 2,5 Vdc @ 200mA
Max ripple content	10%
Time delay before availability	≤ 2ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared

Mechanical data

Dimensions	50X50mm
Weight	200g
Connections	2m PVC cable
Active Head Material	PMMA
Operating temperature	- 20°C...+ 60°C (UL omologation 0°C...60°C)
Material	PC/ABS

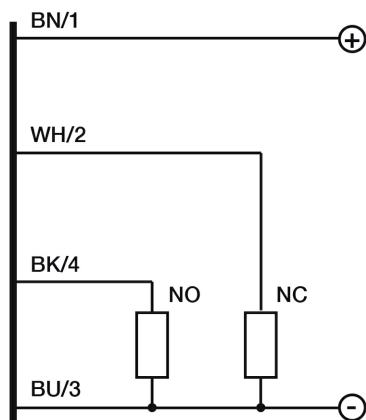
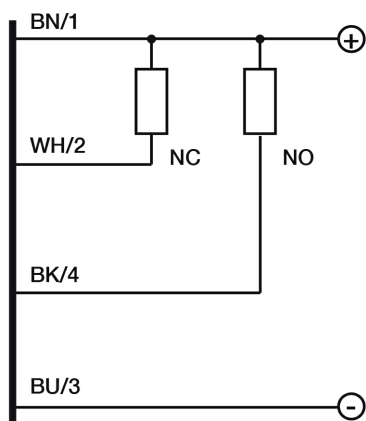
Test/Approvals

EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-62
Degree of protection	IP67

Accessories

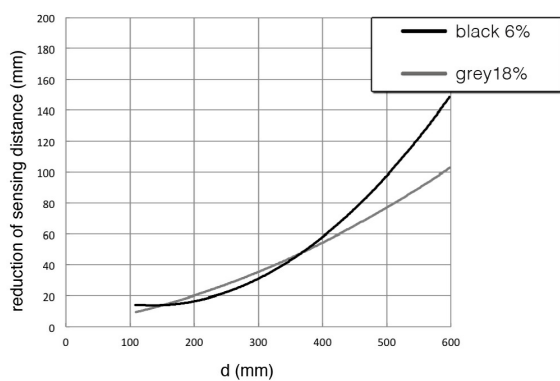
Supplied Accessories	Mounting bracket included
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ELECTRICAL DIAGRAMS OF THE CONNECTIONS



RESPONSE CURVES

Riduzione distanza di rilevamento



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