

QXX/00-1A

cubic photosensors

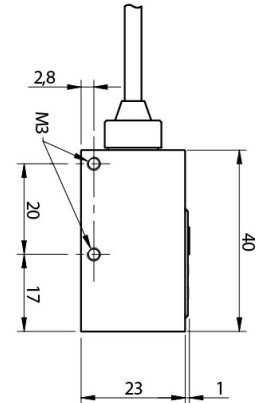
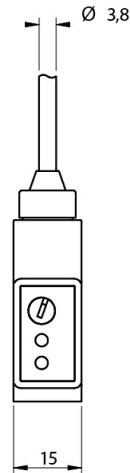
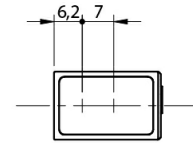


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	8m
Repeat Accuracy	≤ 5%
Sensitivity adjustment	1 turn trimmer

Application

Function Principle	Emitter
Optic position	Axial

Outputs

Switching frequency	500Hz
---------------------	-------

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	Red (660nm)
Interference to external light	3000lux Incandescent Lamp, 10000lux

Mechanical data

Dimensions	15x23x88
Weight	70g
Connections	2m PVC cable
Active Head Material	Acrylic
Operating temperature	- 25°C...+ 70°C (without freeze)
Material	ABS
Diameter/Dimension	Cubic

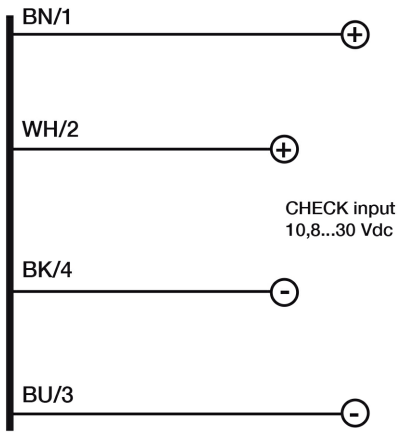
Test/Approvals

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

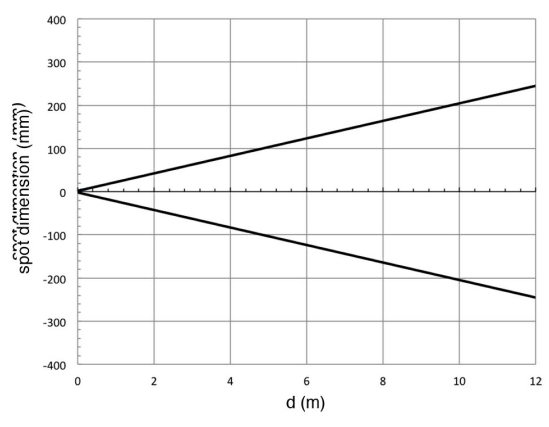
Supplied Accessories	ST70 mounting brakets and screws
----------------------	----------------------------------

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

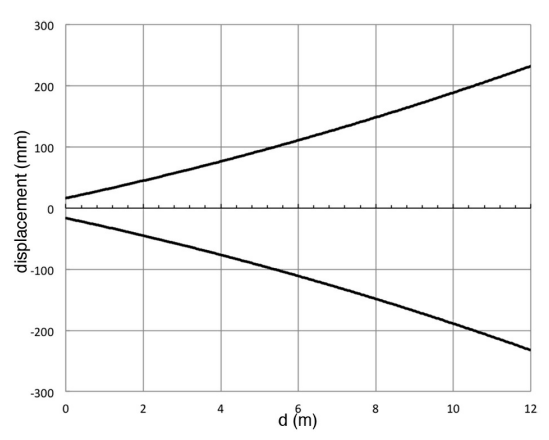


RESPONSE CURVES

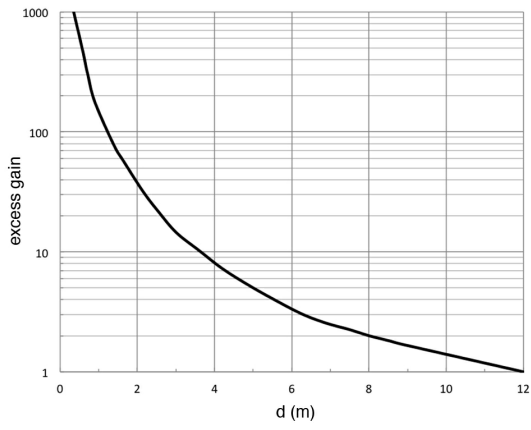
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



M.D.Micro Detectors S.p.A.

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@microdetectors.com

date of printing

20/11/2020 16:01:50