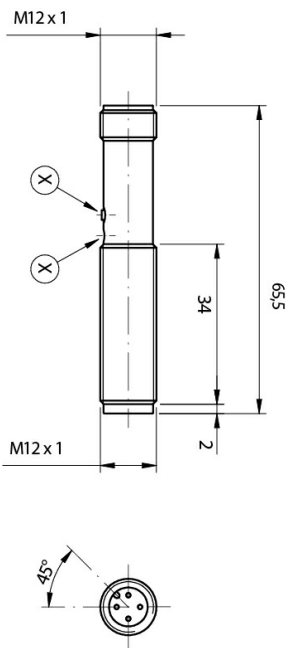


DM2/0N-1H

cylindrical photosensors



Indicative image



Detection properties

Nominal sensing distance	100mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	No

Application

Function Principle	Diffuse reflection
Notes	With 100x100mm white paper
Optic position	Axial

Outputs

Output type	NPN
Output Function	LO/DO selectable

Switching frequency

400Hz

Electrical data

Operating Voltage 10...30Vdc

No-Load supply current $\leq 30\text{mA}$

Load current $\leq 100\text{mA}$

Leakage current $\leq 10\mu\text{A}$

Output voltage drop $\leq 2\text{V IL} = 100\text{ mA}$

Max ripple content $\leq 10\%$

LED indicators Yellow

Time delay before availability $\leq 150\text{ms}$

Short-circuit protection Yes

Reverse Polarity Protection Yes

Emission Infrared (880nm)

Interference to external light 3.000lux (incandescent lamp), 10.000lux (sunlight)

Impulsive Overvoltage Protection Yes

Mechanical data

Dimensions M12x1/L=65,5mm

Weight 28g

Housing Material Nickel-plated brass

Connections M12 plug cable exit

Active Head Material PMMA

Operating temperature - 25°C...+ 70° C

Test/Approvals

Approvals CE, Ex, C UL US

EMC compatibility EN 60947-5-2

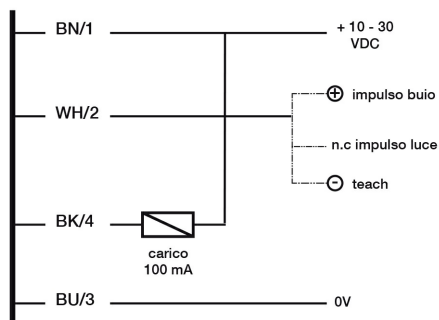
Shocks and vibrations Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Degree of protection IP67

Accessories

Supplied Accessories Metallic nut (x2)

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

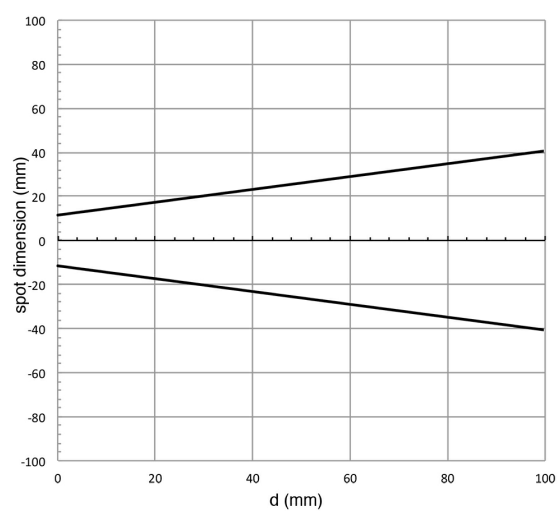


CONNECTOR

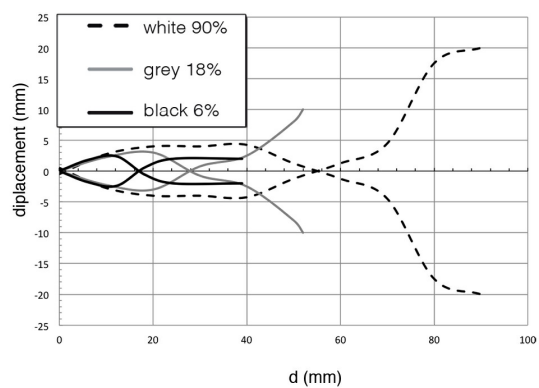


RESPONSE CURVES

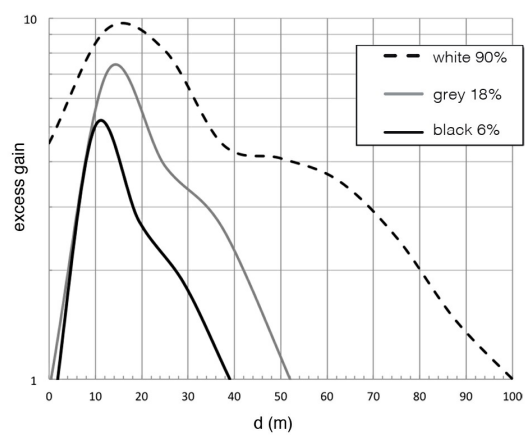
Dimensione Spot



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

01/11/2019 09:09:35