

# MV2/A0-0A

cylindrical photosensors

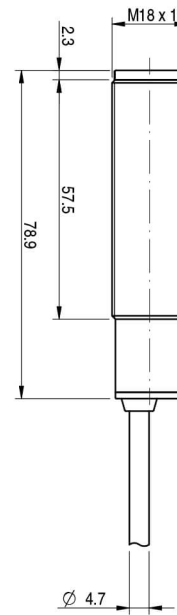


Micro Detectors

Italian Sensors Technology



Indicative image



## Detection properties

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

## Application

Function Principle	Diffuse reflection (short distance, $\leq 200mm$ )
Notes	With 100x100mm white matt paper
Optic position	Axial

## Outputs

Output type	TRIAC
Output Function	NO
Switching frequency	25Hz

## Electrical data

Operating Voltage	20...253Vac/50...60Hz
No-Load supply current	$\leq 30mARMS$
Load current	5...300mARMS

Leakage current	6A
Output voltage drop	≤3V IL=300mA
Max ripple content	≤ 10%
LED indicators	Red
Time delay before availability	200ms
Emission	Infrared (880nm)
Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)

## Mechanical data

Dimensions	M18x1/L=78,9mm
Weight	100g
Housing Material	PBT / PC cable exit
Connections	2m PVC cable
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	- 25°C...+ 70° C (without freeze)
Diameter/Dimension	M18

## Test/Approvals

Approvals	CE, cRUus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

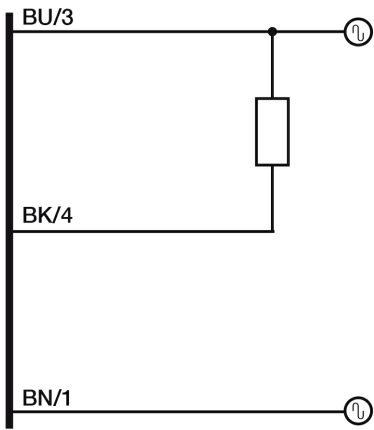
## Accessories

Supplied Accessories	Metallic nut (2x)
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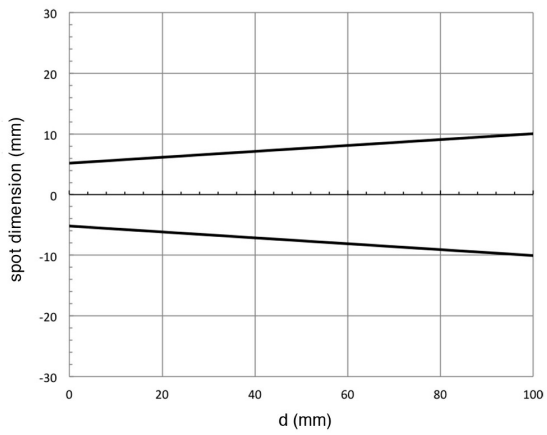
# ELECTRICAL DIAGRAMS OF THE CONNECTIONS

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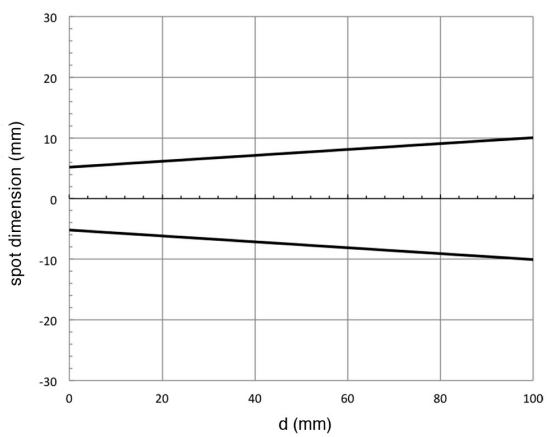


# RESPONSE CURVES

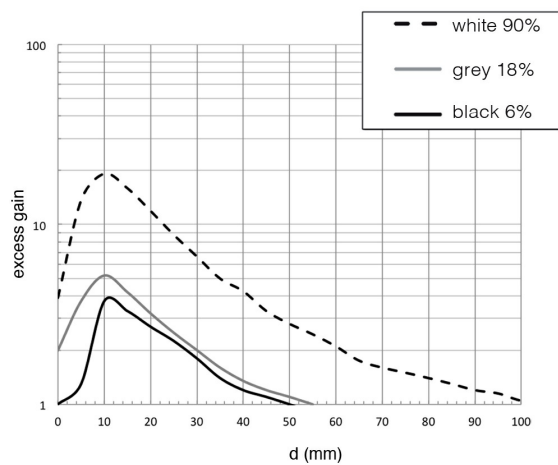
## Dimensione Spot



## Disassamento Parallelo



## Eccesso di Guadagno



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