

MV4/CO-0E

cylindrical photosensors

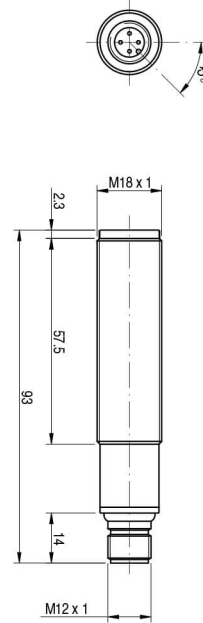


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

| | |
|--------------------------|---------------|
| Nominal sensing distance | 200mm |
| 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 | NC |

Switching frequency 25Hz

Electrical data

| | |
|--------------------------------|--|
| Operating Voltage | 20...253Vac/50...60Hz |
| No-Load supply current | ≤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 | 30g |
| Housing Material | PBT / PC plug |
| Connections | M12 plug |
| Active Head Material | PMMA |
| Tightening torque | 1Nm |
| Operating temperature | - 25°C...+ 70° C (without freeze) |
| Diameter/Dimension | M18 |

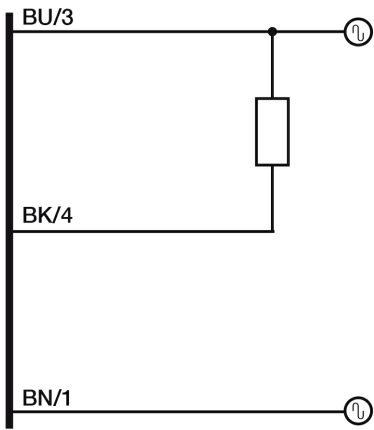
Test/Approvals

| | |
|-----------------------|--|
| 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)

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

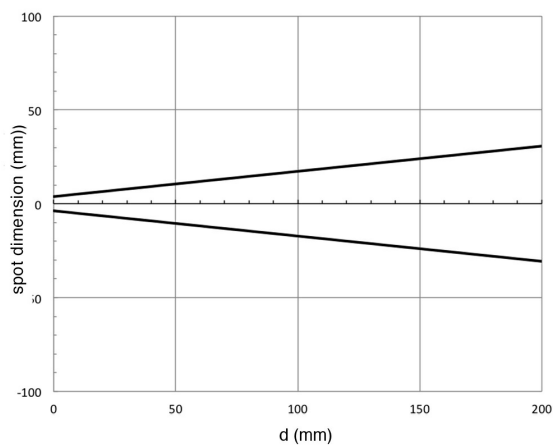


CONNECTOR

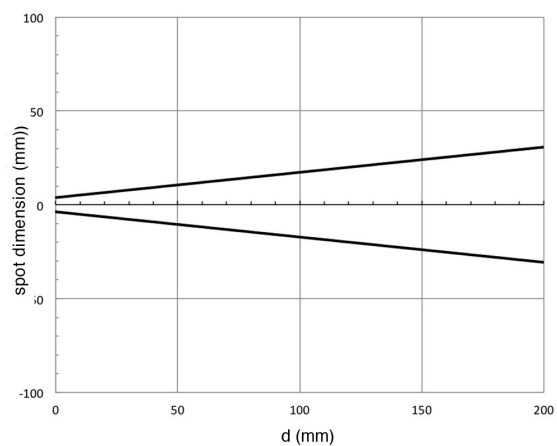


RESPONSE CURVES

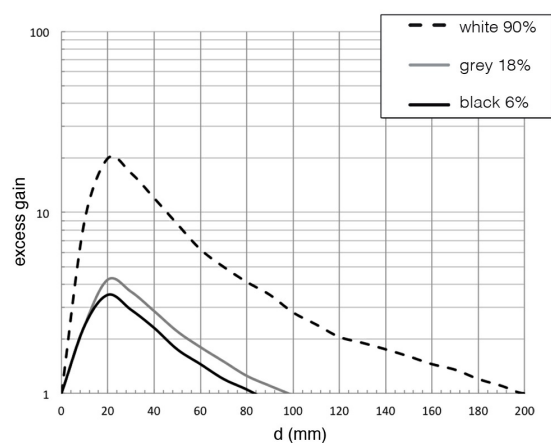
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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