

# MV-MQ

## MV2/A0-0A

**Photo.M18,AC-NO,Cable,Diffuse**

**M18 AC MULTIVOLTAGE OUTPUT PHOTOELECTRIC SENSORS**

# OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized, through-beam
- Through-beam models with high sensing range
- Retro-reflective models with polarized light (with visible beam)
- M12 plug cable exit in axial or right angle shape
- Low leakage current and high output current
- IP67 protection degree
- Complete protection against electrical damage

# TECHNICAL FEATURES

Detection properties

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

Application

| | |
|---|---|
| Function Principle | Diffuse reflection (short distance, ≤200mm) |
| Notes | white target Kodak 90% 100 x 100mm |
| Optic position | Axial |

Outputs

| | |
|---|---|
| Output type | TRIAC NO |
| Output Function | NO |
| Switching frequency | 25Hz |
| Response time | 20ms |

Electrical data

| | |
|---|---|
| Operating Voltage | 20...253VAC/50-60Hz |
| No-Load supply current | ≤ 30mARMS |
| Load current | 5…300mARMS |
| Leakage current | 6A |
| Output voltage drop | ≤3V@Iload=300mARMS |
| Max ripple content | ≤10% |
| LED indicators | Red (status output) |
| Time delay before availability | ≤200ms |
| Emission | LED Infrared (880nm) |

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

Mechanical data

| | |
|---|---|
| Dimensions | M18x1/L=78,9mm |
| Housing material | PBT / PC cable exit |
| Weight | 100g |
| 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 cURus |
| 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 | Nuts M18 x 1 |

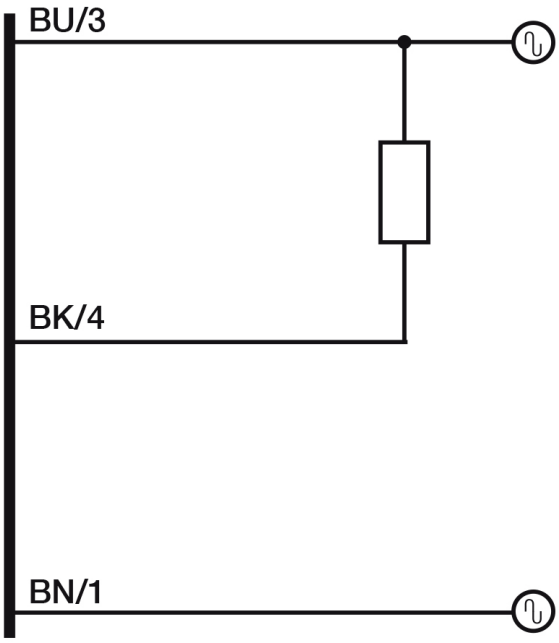
Generical Data

| | |
|---|---|
| Dimensions | M18x1/L=78,9mm |

| | |
|---|---|
| Operating Temperature | - 25°C…+ 70°C (Without freeze) |
| Mechanical Protection | IP67 |

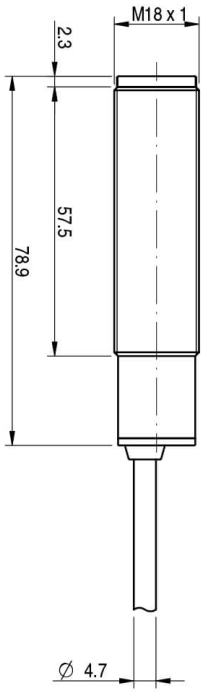
# CONNECTIONS

Eletrical diagram

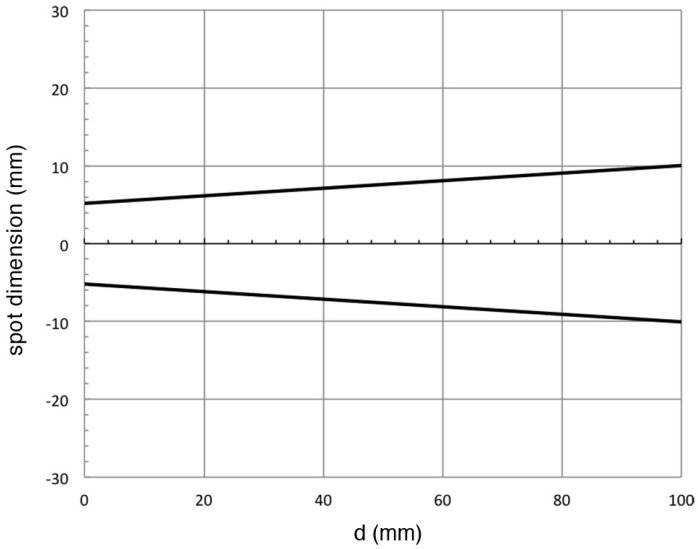



# OTHERS

Dimensions




Response curves




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