


# DM

## DME/00-1A

**Photo.M12,IR emiss.,Cable,Emitter**

**M12 CYLINDRICAL PHOTOELECTRIC SENSORS**

# OVERVIEW

- Models diffuse reflection, polarized and through-beam
- Local and remote teach-in function
- Light-on / Dark-on selectable outputs
- IP67 protection degree
- Multifunction LED status indicator
- Complete protection against electrical damages
- Approvals: CE and cULus listed

# TECHNICAL FEATURES

Detection properties

| | |
|---|---|
| Nominal sensing distance | 4m |
| Thermal drift of Sr | ≤10% Sr |
| Repeat Accuracy | 5% |
| Sensitivity adjustment | Teach-in |

Application

| | |
|---|---|
| Function Principle | Emitter |
| Emitter/Receiver | Emitter |
| Optic position | Axial |

Outputs

| | |
|---|---|
| Output type | |

Electrical data

| | |
|---|---|
| Operating Voltage | 10…30VDC |
| No-Load supply current | ≤ 30mA |
| Load current | |
| Leakage current | |
| Output voltage drop | |
| Max ripple content | ≤10% |
| LED indicators | Yellow (Power ON) |
| Time delay before availability | ≤150ms |
| Short-circuit protection | Yes |
| Reverse Polarity Protection | Yes |
| Emission | LED Infrared (880nm) |
| Interference to external light | |

| | |
|---|---|
| Impulsive Overvoltage Protection | Yes |

Mechanical data

| | |
|---|---|
| Dimensions | M12x1/L=54,5mm |
| Housing material | Nickel plated brass / PBT cable exit |
| Weight | 60g |
| Connections | 2m PVC cable |
| Active Head Material | PMMA |
| Operating temperature | - 25°C…+ 70° C |
| Diameter/Dimension | M12 |

Test/Approvals

| | |
|---|---|
| Approvals | CE cULus |
| 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 M12 x 1 |

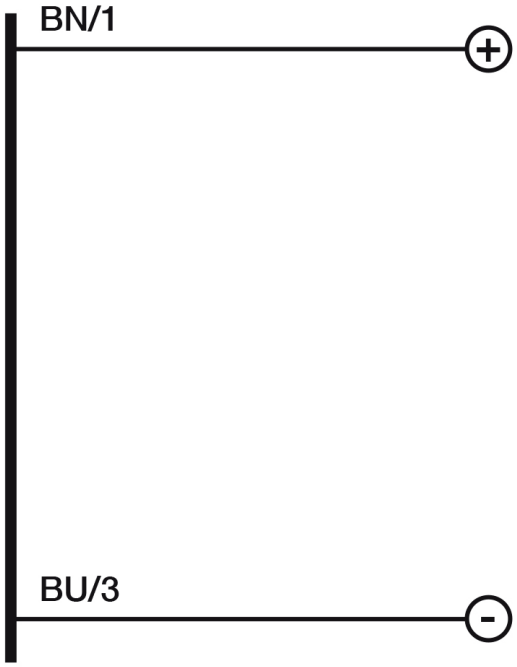
Generical Data

| | |
|---|---|
| Dimensions | M12x1/L=54,5mm |
| Operating Temperature | - 25°C…+ 70°C (Without freeze) |

| | |
|---|---|
| Mechanical Protection | IP67 |

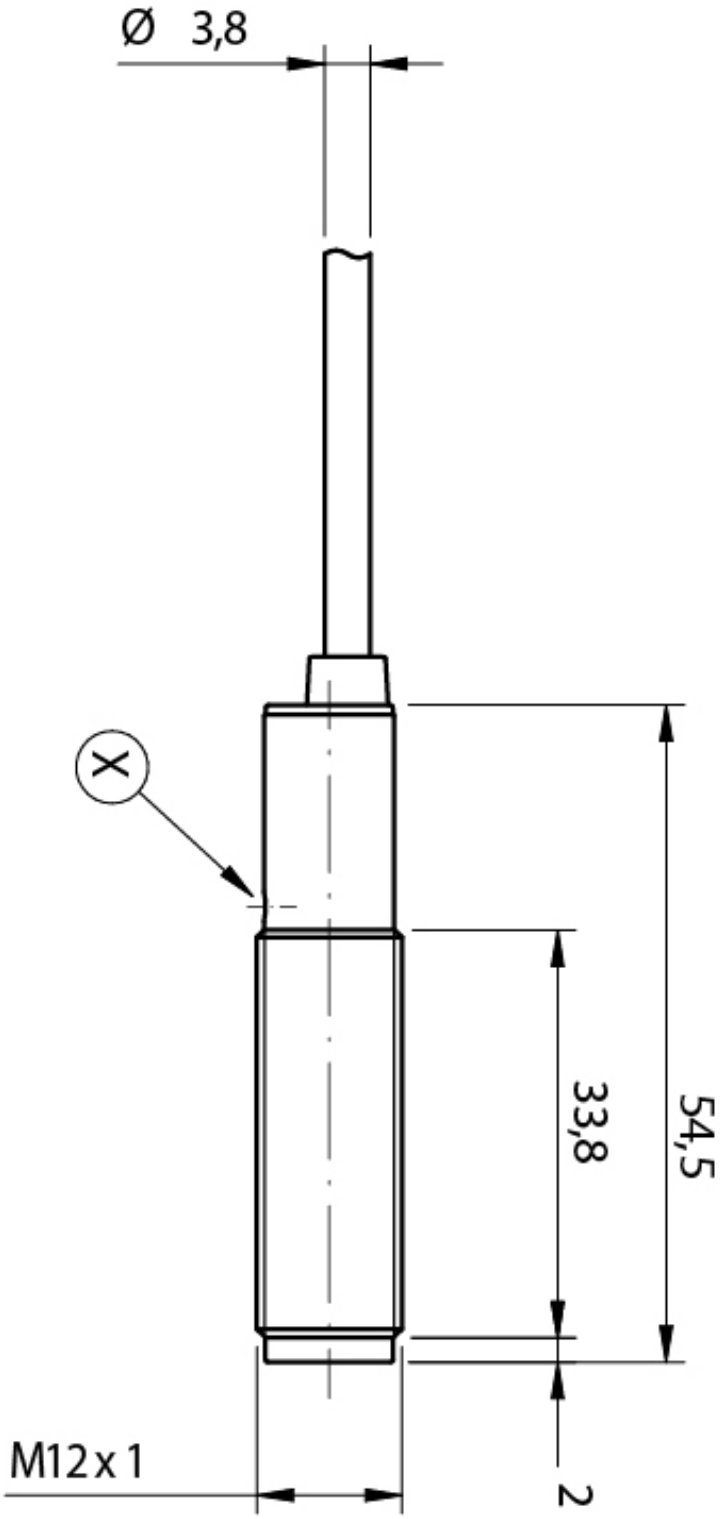
# CONNECTIONS

Eletrical diagram

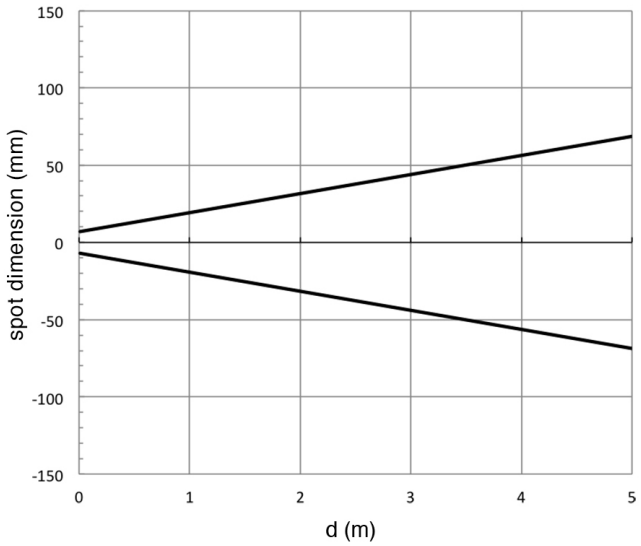



# OTHERS

Dimensions




Response curves




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