

# VM

# VM2/A0-2H

**Ind.M12,2 wires AC-NO,M12 Plug,Nsch-STD**

**CYLINDRICAL M12 IN AC INDUCTIVE SENSORS**

# OVERVIEW

- Output: cable and M12 plug cable exit
- Models with 2 wires
- IP67 protection degree
- Multivoltage 20 ...253 Vac

# TECHNICAL FEATURES

Detection properties

| | |
|---|---|
| Nominal sensing distance | 4mm |
| Operanting distance | 0…3,2mm |
| Standard target | 12x12mm FE360 |
| Correction Factor | copper: 0,45 / aluminium: 0,50 / brass: 0,60 / stainless steel: 0,80 |
| Thermal drift of Sr | < 10% |
| Repeat Accuracy | < 5% (UB 24V Ta=23°C ±5°C) |

| | |
|---|---|
| Hysteresis | 1 … 20% |

Application

| | |
|---|---|
| Description | M12 standard no-flush mount |
| Functions | Proximity |

Outputs

| | |
|---|---|
| Output type | TRIAC |
| Output Function | NO |
| Switching frequency | 25Hz |

Electrical data

| | |
|---|---|
| Operating Voltage | 20...250Vac/50...60Hz |
| Load current | 5...300mA |
| Leakage current | ≤ 1mA RMS max |
| Output voltage drop | See curves |
| Max ripple content | ≤ 10% |
| LED indicators | Yellow LED output state |
| Time delay before availability | ≤ 200ms |
| Inrush current | 7A (Ton = 10ms) |

Mechanical data

| | |
|---|---|
| Dimensions | M12 x 1 / L = 64mm |
| Mounting | Unshielded |
| Material | Nickel-plated brass |
| Housing material | Nickel-plated brass |
| Weight | 30g |
| Connections | M12 plug |
| Active Head Material | PBT |
| Tightening torque | 10Nm |
| Operating temperature | -25°C…+70°C |
| Diameter/Dimension | M12 |

Test/Approvals

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

Accessories

| | |
|---|---|
| Supplied Accessories | 2 nuts M12x1 |

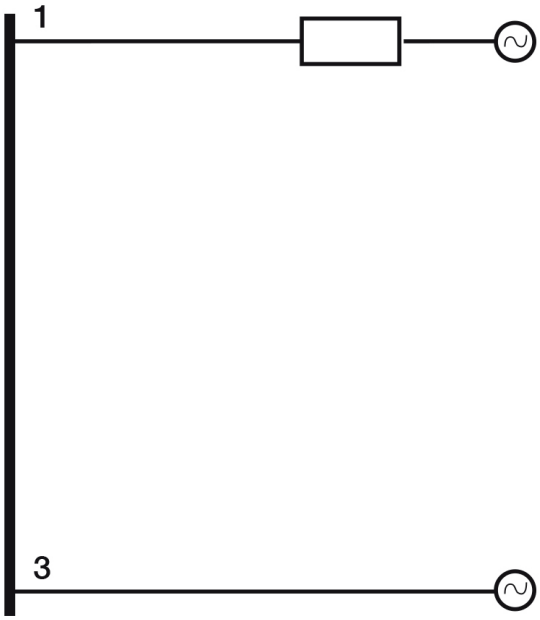
Generical Data

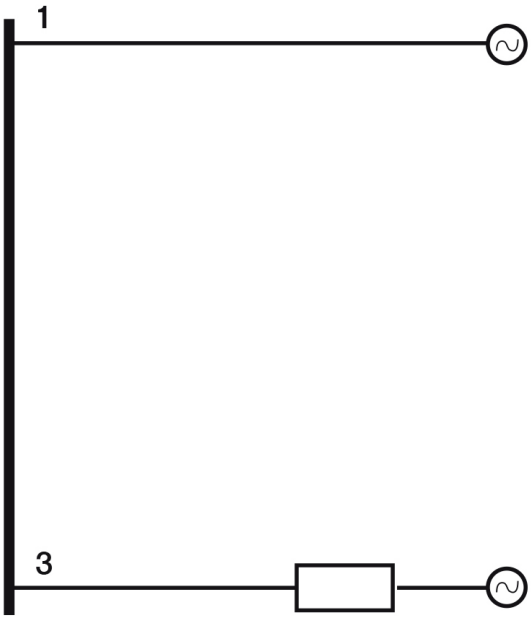
| | |
|---|---|
| Dimensions | M12 x 1 / L = 64mm |

| | |
|---|---|
| Operating Temperature | -25°C…+70°C |
| Mechanical Protection | IP67 |

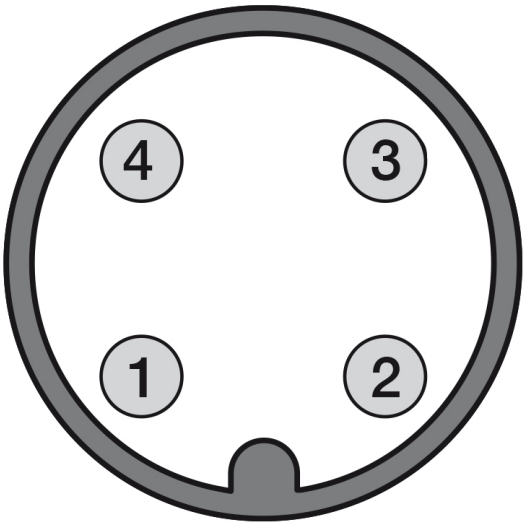
# CONNECTIONS

Eletrical diagram



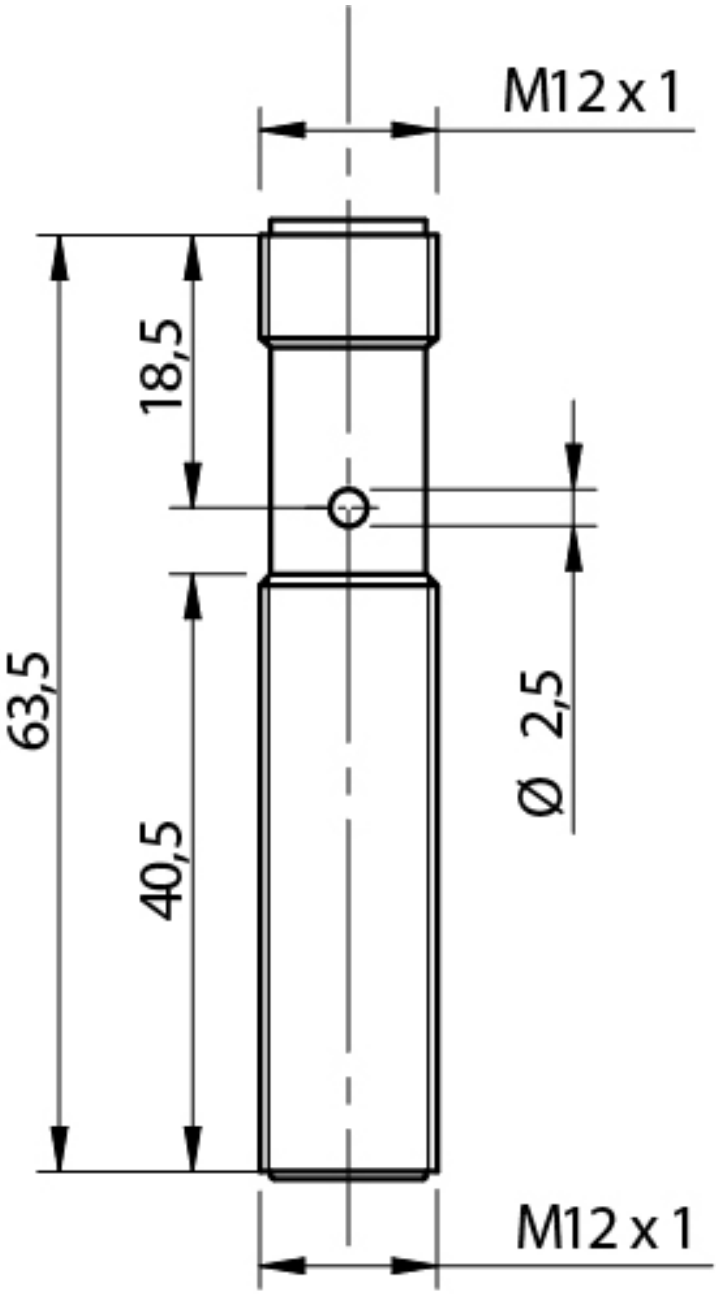




Connector



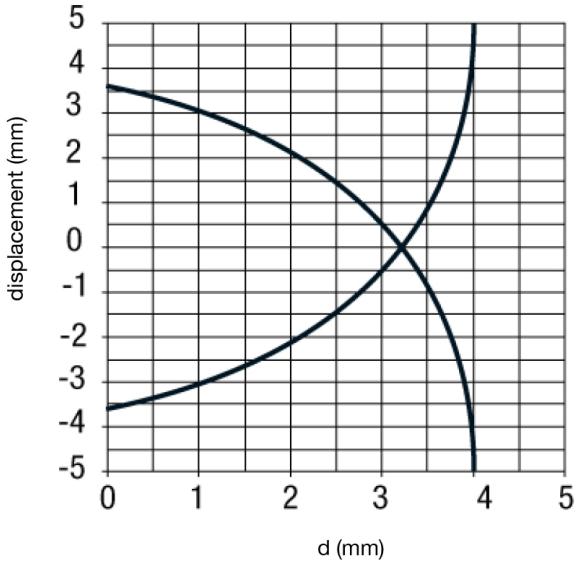

# OTHERS

Dimensions

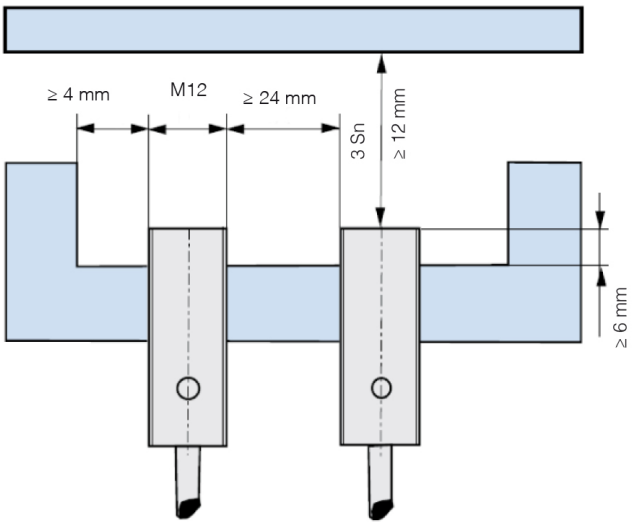





Response curves




Installation




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