

C30M/00-2A

capacitive

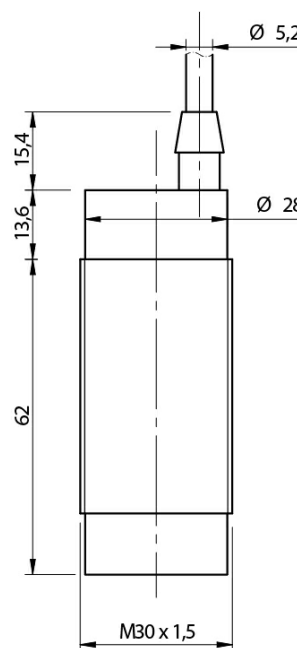


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

| | |
|--------------------------|----------|
| Nominal sensing distance | 4...25mm |
| Thermal drift of Sr | < 20% |
| Repeat Accuracy | 5% |
| Sensitivity adjustment | Yes |
| Hysteresis | ≤ 20% |

Outputs

| | |
|---------------------|------------------|
| Output type | SCR |
| Output Function | NO/NC selectable |
| Switching frequency | 10Hz |

Electrical data

| | |
|-------------------|---------------------|
| Operating Voltage | 20...250Vac/50-60Hz |
|-------------------|---------------------|

| | |
|----------------------------------|------------------------------|
| No-Load supply current | ≤ 12mA |
| Load current | 2,5A max (20ms) |
| Leakage current | ≤ 100μA |
| Output voltage drop | 10VAC @ IL≥200mA |
| Max ripple content | ≤10% |
| LED indicators | Yellow LED (object detected) |
| Time delay before availability | ≤ 200ms |
| Short-circuit protection | Yes, autoreset |
| Reverse Polarity Protection | Yes |
| Impulsive Overvoltage Protection | Yes |

Mechanical data

| | |
|-----------------------|--------------------------------|
| Mounting | Unshielded |
| Dimensions | M30 / L = 91mm |
| Weight | 230g |
| Housing Material | AISI 304 stainless steel |
| Connections | 2m PVC cable |
| Active Head Material | Polyester |
| Tightening torque | 50Nm |
| Operating temperature | -25°C...+80°C (without freeze) |
| Storage temperature | -40°C...+85°C |
| Diameter/Dimension | M30 |

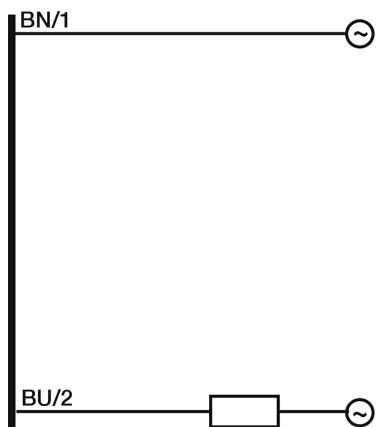
Test/Approvals

| | |
|-----------------------|--|
| Approvals | CE cULus |
| 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 screw driver, 2 x M30 nuts

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



M.D. Micro Detectors S.p.A.

Strada S. Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@microdetectors.com

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