



C30

C30P/00-2A

Cap.M30,2 wires AC-NO/NC,Cable,Nsch-LD
M30 CYLINDRICAL CAPACITIVE SENSORS

OVERVIEW

- DC or AC supply voltage
- High noise immunity
- Shielded and unshielded models
- Adjustable sensitivity
- Metallic or plastic housing



TECHNICAL FEATURES

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 |
| Switching frequency | 10Hz |

Electrical data

| | |
|----------------------------------|---------------------------------|
| Operating Voltage | 20...250Vac/50-60Hz |
| No-Load supply current | $\leq 12\text{mA}$ |
| Load current | 2,5A max (20ms) |
| Leakage current | $\leq 100\mu\text{A}$ |
| Output voltage drop | 10VAC @ $I_L \geq 200\text{mA}$ |
| Max ripple content | $\leq 10\%$ |
| LED indicators | Yellow LED (object detected) |
| Time delay before availability | $\leq 200\text{ms}$ |
| Short-circuit protection | Yes, autoreset |
| Reverse Polarity Protection | Yes |
| Impulsive Overvoltage Protection | Yes |

Mechanical data

| | |
|------------|----------------|
| Mounting | Unshielded |
| Dimensions | M30 / L = 91mm |

| | |
|-----------------------|--------------------------------|
| Weight | 180g |
| Housing Material | Polyester |
| 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

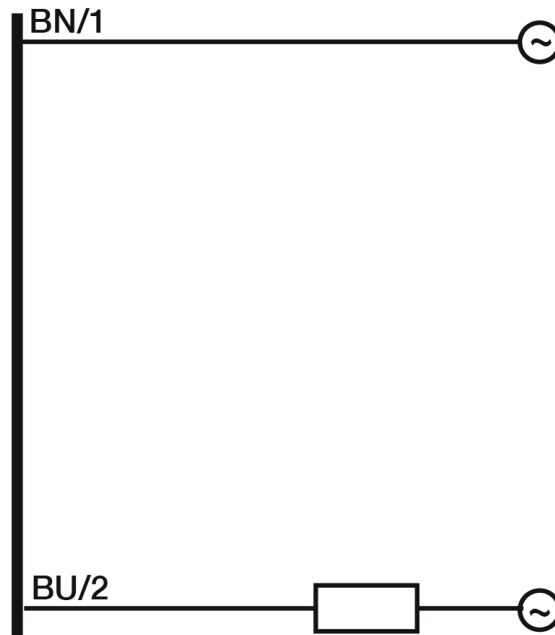
| | |
|----------------------|----------------------------|
| Supplied Accessories | screw driver, 2 x M30 nuts |
|----------------------|----------------------------|

Generical Data

| | |
|-----------------------|--------------------------------|
| Dimensions | M30 / L = 91mm |
| Operating Temperature | -25°C...+80°C (without freeze) |

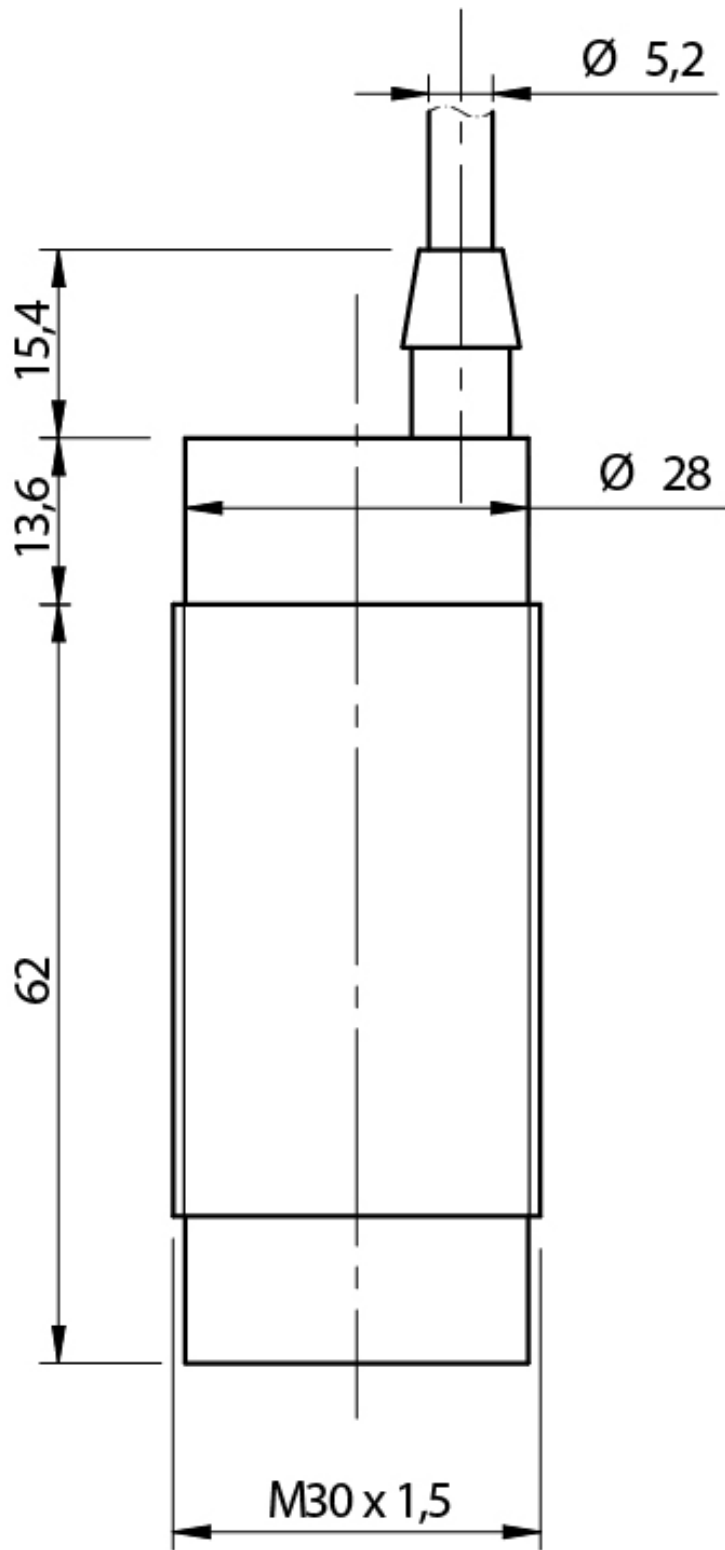
CONNECTIONS

Electrical diagram



OTHERS

Dimensions



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**date of
printing**

14/05/2026
00:08:19

