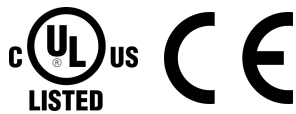


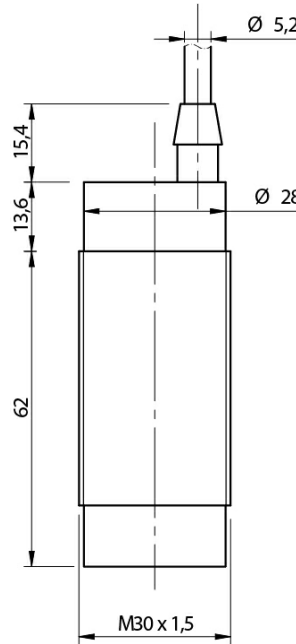


Indicative image



### M30 CYLINDRICAL CAPACITIVE SENSORS

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



#### 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 @ $I_L \geq 200\text{mA}$
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	$-25^\circ\text{C} \dots +80^\circ\text{C}$ (without freeze)
Storage temperature	$-40^\circ\text{C} \dots +85^\circ\text{C}$
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
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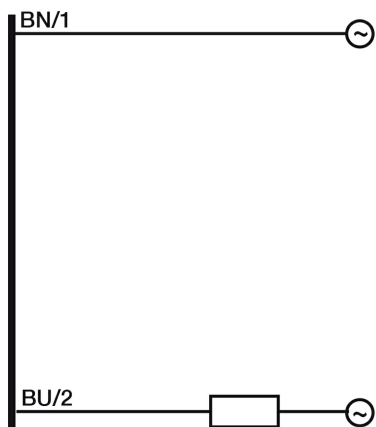
#### General Data

Dimensions	M30 / L = 91mm
Operating Temperature	$-25^\circ\text{C} \dots +80^\circ\text{C}$ (without freeze)
Mechanical Protection	IP67

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## ELECTRICAL DIAGRAMS OF THE CONNECTIONS

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**Datasensing S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail [info@datasensing.com](mailto:info@datasensing.com)

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