



C30

C30M/BN-1E

Cap.M30,NPN-NO+NC,M12 plug,Sch-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	2...16mm
Thermal drift of Sr	< 20%
Repeat Accuracy	5%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

Outputs

Output type	NPN
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Output Function	NO + NC
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Switching frequency	30Hz
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Electrical data

Operating Voltage	10...40Vdc
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No-Load supply current	$\leq 12\text{mA}$
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Load current	$\leq 200\text{mA}$
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Leakage current	$\leq 100\mu\text{A}$
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Output voltage drop	2,5Vmax @ IL=200mA
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Max ripple content	$\leq 10\%$
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LED indicators	Yellow LED (object detected)
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Time delay before availability	$\leq 200\text{ms}$
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Short-circuit protection	Yes, autoreset
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Reverse Polarity Protection	Yes
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Impulsive Overvoltage Protection	Yes
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Mechanical data

Dimensions	M30 / L = 79mm
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Mounting	Shielded
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Housing material	AISI 304 stainless steel
Weight	150g
Connections	M12 plug
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

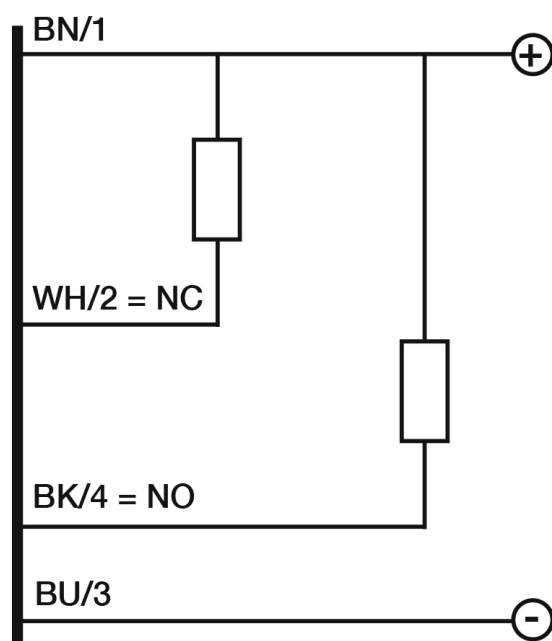
Supplied Accessories	screw driver, 2 x M30 nuts
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Generical Data

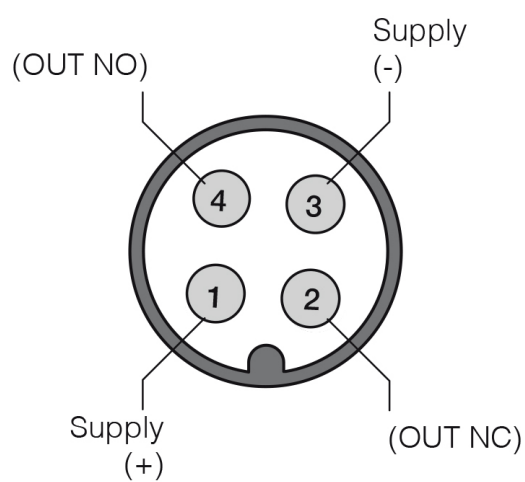
Dimensions	M30 / L = 79mm
Operating Temperature	-25°C...+80°C (without freeze)

CONNECTIONS

Electrical diagram

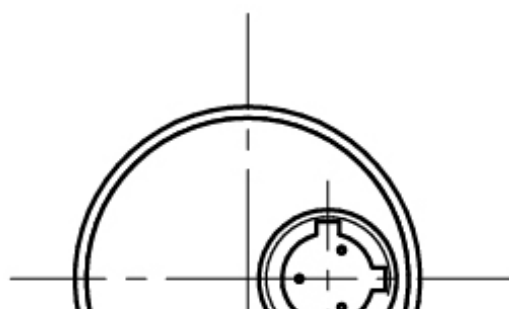
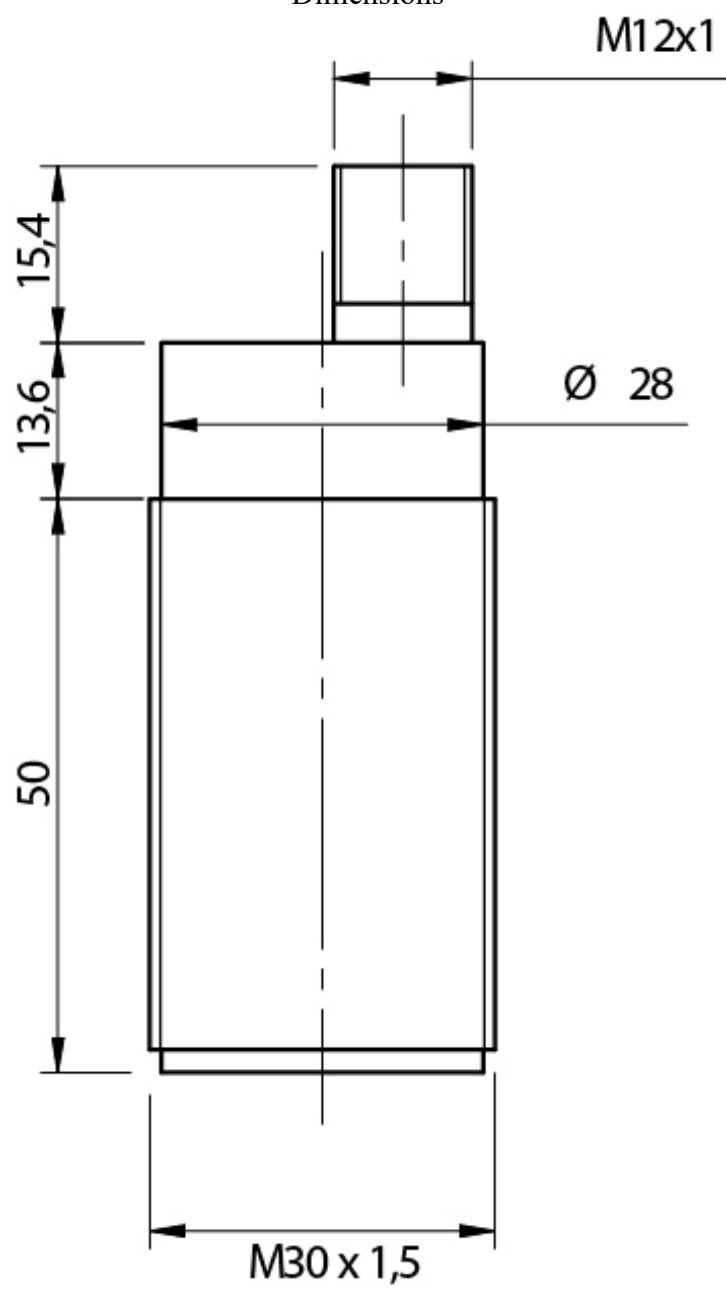


Connector



OTHERS

Dimensions





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