



CT

CT1/CN-2H

Cap.M30,NPN-NC,M12 Plug,Nsch-STD
M30 CYLINDRICAL CAPACITIVE SENSORS

OVERVIEW

- Sensitivity adjustment with trimmer
- Metal housing
- IP65 protection degree
- Complete protection against electrical damages
- Axial cable exit or M12 plug cable exit



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2...20mm
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Thermal drift of Sr	< 20%
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Repeat Accuracy	10%
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Sensitivity adjustment	Yes
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Hysteresis	≤ 20%
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Outputs

Output type	NPN
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Output Function	NC
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Switching frequency	100Hz
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Electrical data

Operating Voltage	10...30Vdc
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No-Load supply current	$\leq 8\text{mA}$
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Load current	$\leq 200\text{mA}$
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Leakage current	$\leq 10\text{mA}$
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Output voltage drop	0,75/1,8V max @ IL=10/200 mA
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Max ripple content	$\leq 10\%$
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LED indicators	Green LED power, red LED (object detected)
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Time delay before availability	$\leq 100\text{ms}$
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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 = 98mm
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Mounting	Unshielded
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Housing material	Nickel-plated brass
Weight	185g
Connections	M12 plug
Active Head Material	PBT
Tightening torque	50Nm
Operating temperature	-25°C...+70°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	IP65

Accessories

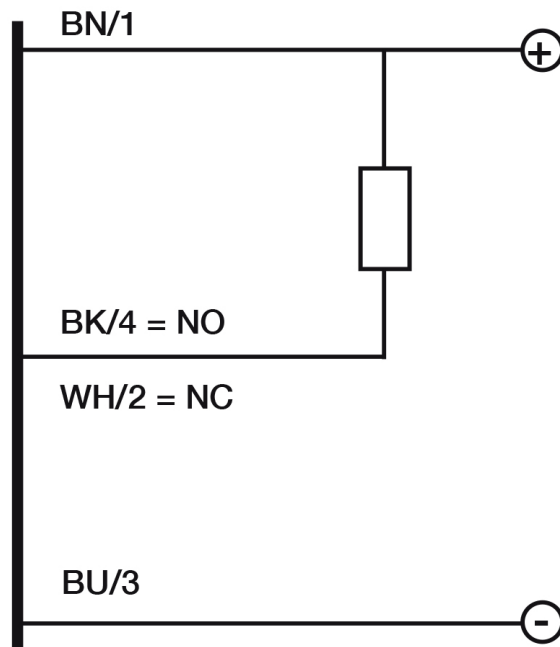
Supplied Accessories	screw driver, 2 x M30 nuts
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Generical Data

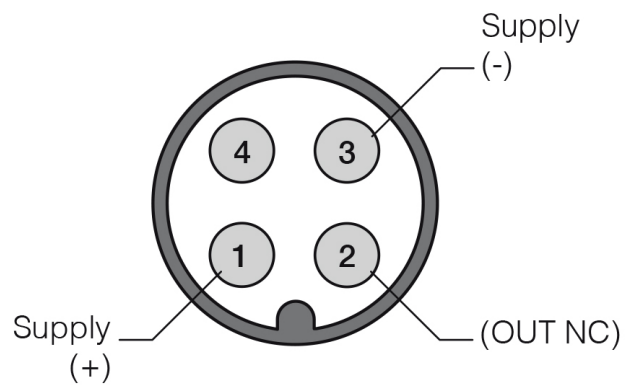
Dimensions	M30 / L = 98mm
Operating Temperature	-25°C...+70°C (without freeze)
Mechanical Protection	IP65

CONNECTIONS

Electrical diagram

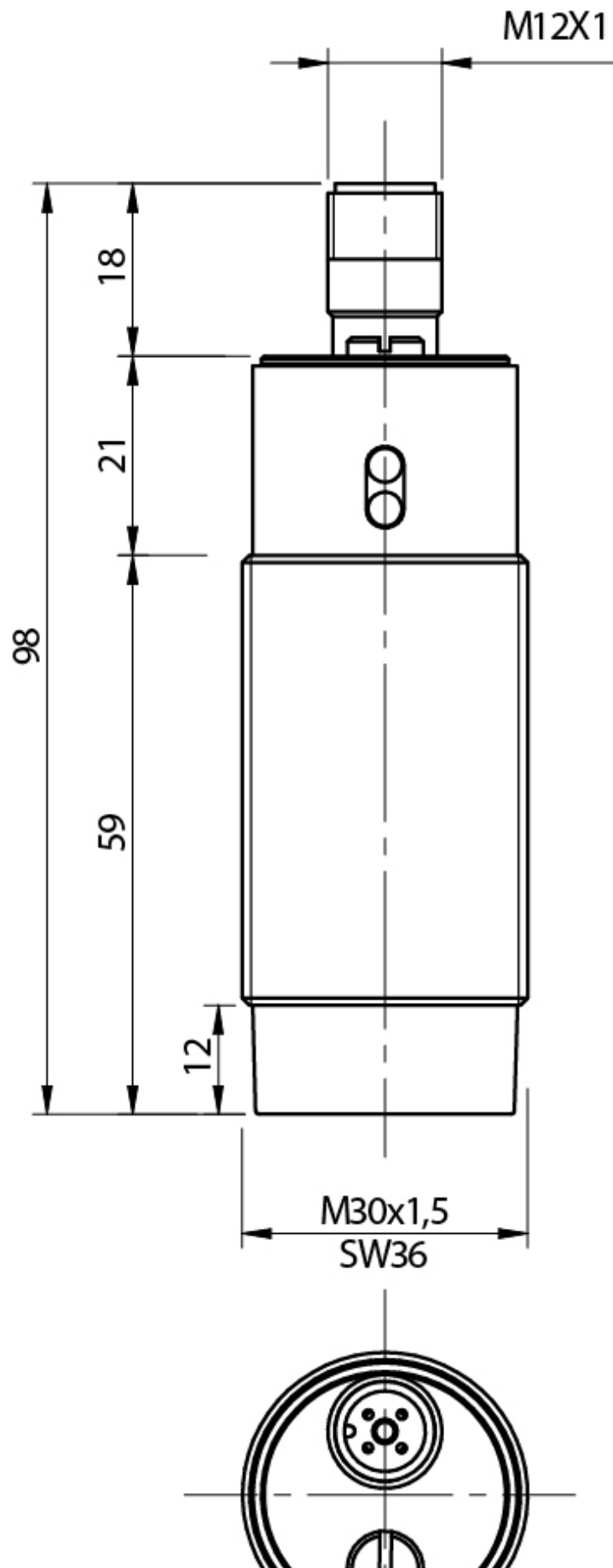


Connector



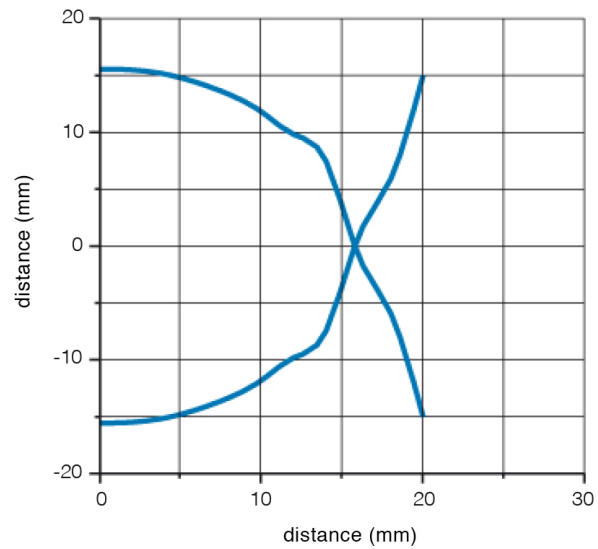
OTHERS

Dimensions





Response curves



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