

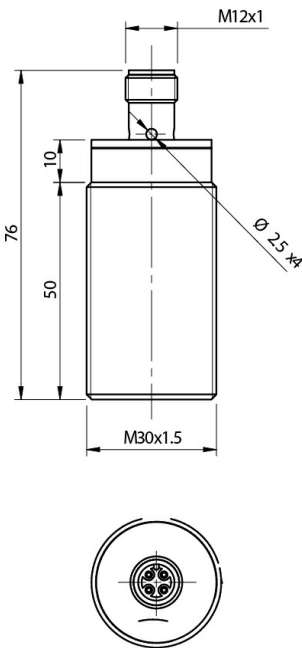


Indicative image



M30 CYLINDRICAL INDUCTIVE SENSORS

- Wide range of models: standard, long distance
- Output: cable, M12 and plug cable exit
- Models with 2, 3, and 4 wires
- ATEX models, cat. 3, available on request
- Models with complementary output (NO + NC)
- Complete protection against electrical damages



Detection properties

Nominal sensing distance	10mm
Operanting distance	0...8,1mm
Standard target	30x30mm FE360
Correction Factor	copper: 0,35 / aluminium: 0,45 / brass: 0,50 / stainless steel: 0,75
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	NPN/PNP
Output Function	NO
Switching frequency	100Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 20mA

Load current	3... 100mA
Leakage current	≤ 0,≤ 8mA
Output voltage drop	≤ 2,8V @100mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
Dimensions	M30 x 1,5 / L = 76mm
Weight	150g
Housing Material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	PBT
Tightening torque	50Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M30

Test/Approvals

Approvals	CE UR
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	2 nuts M30x1,5
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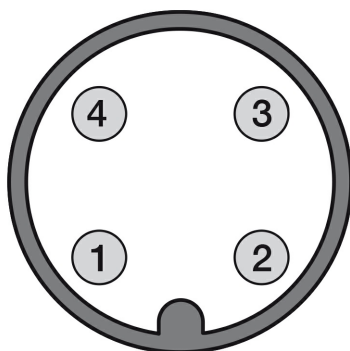
Generical Data

Dimensions	M30 x 1,5 / L = 76mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

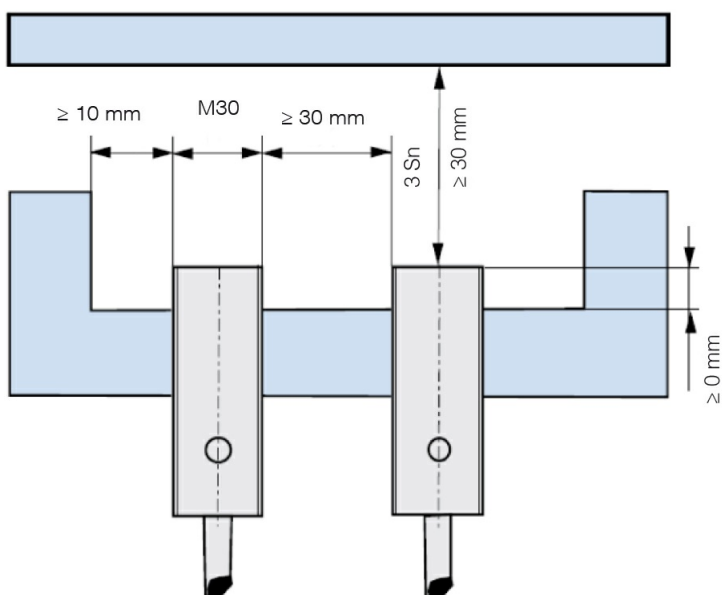
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR

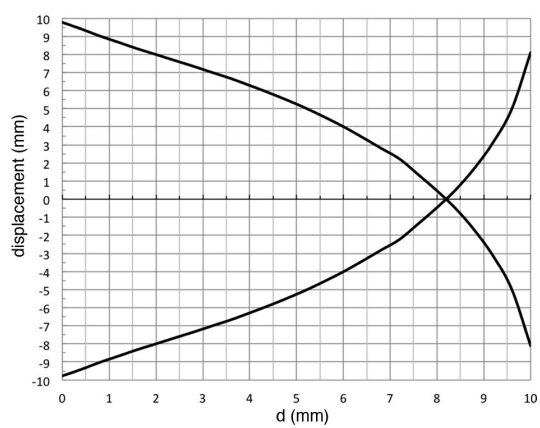


INSTALLATION



RESPONSE CURVES

Parallel offset



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