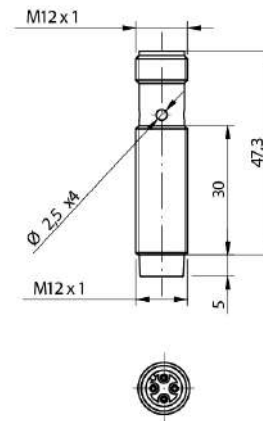


M12 CYLINDRICAL INDUCTIVE SENSORS



- Wide range of models: standard, short body, long distance
- Output: cable, M12 and M8 plug cable exit
- Models with 2, 3 wires
- ATEX models, cat. 3, available on request



Indicative image



Detection properties

Nominal sensing distance
 Operanting distance
 Standard target
 Correction Factor
 Thermal drift of Sr
 Repeat Accuracy
 Hysteresis

4mm
 0...3,2mm
 12x12mm FE360
 copper: 0,41 / aluminium: 0,47 / brass: 0,56 / stainless steel: 1,15
 < 10%
 < 5% (UB 24V Ta=23°C ±5°C)
 1 ... 20%

Application

Description

M12 short case no-flush mount

Functions

Proximity

Outputs

Output type	PNP
Output Function	NO
Switching frequency	2kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 200mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,8V @200mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Unshielded
Dimensions	M12 x 1 / L = 52,3mm
Weight	20g
Housing Material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	PBT
Tightening torque	10Nm
Operating temperature	-25°C...+70°C
Material	Nickel-plated brass
Diameter/Dimension	M12

Test/Approvals

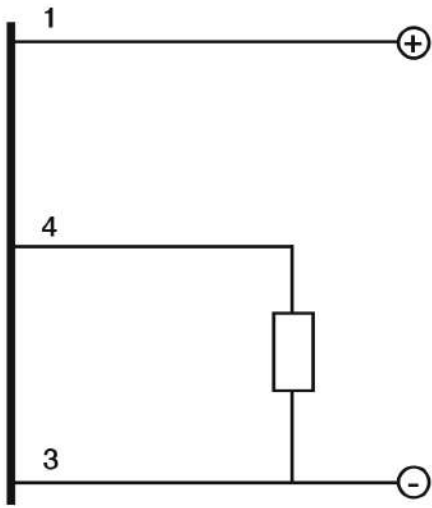
Approvals	CE UR
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

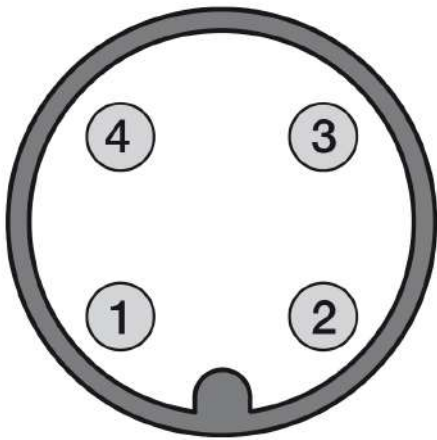
Supplied Accessories	2 nuts M12x1
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Generical Data

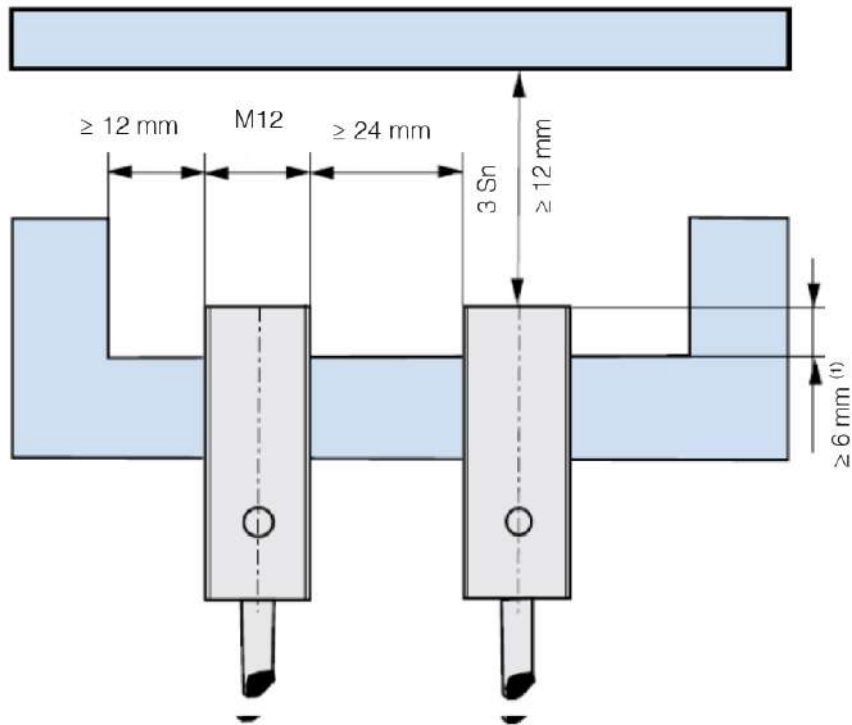
Dimensions	M12 x 1 / L = 52,3mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67



CONNECTOR



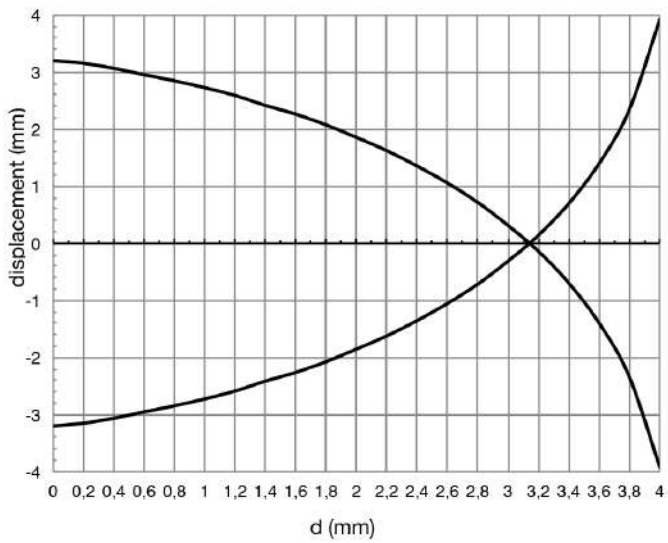
INSTALLATION



⁽¹⁾ $\geq 2 \text{ mm}$ for non magnetic materials

RESPONSE CURVES

Parallel offset



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