

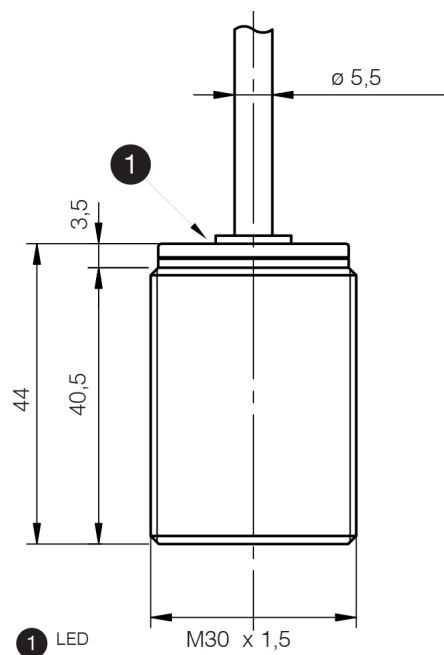
M30 CYLINDRICAL INDUCTIVE SENSORS



Indicative image



- 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: 0,41 / aluminium: 0,47 / brass: 0,52 / stainless steel: 0,84
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M30 short case flush mount
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Functions

Proximity

Outputs

Output type	PNP
Output Function	NO
Switching frequency	200Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 400\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1\text{V @}400\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 100\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
Dimensions	M30 x 1,5 / L = 44mm
Weight	165g
Housing Material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	PBT
Tightening torque	50Nm
Operating temperature	-25°C...+70°C
Material	Nickel-plated brass
Diameter/Dimension	M30

Test/Approvals

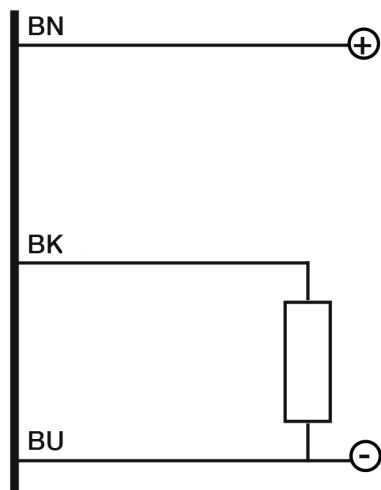
Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

Supplied Accessories	2 nuts M30x1.5
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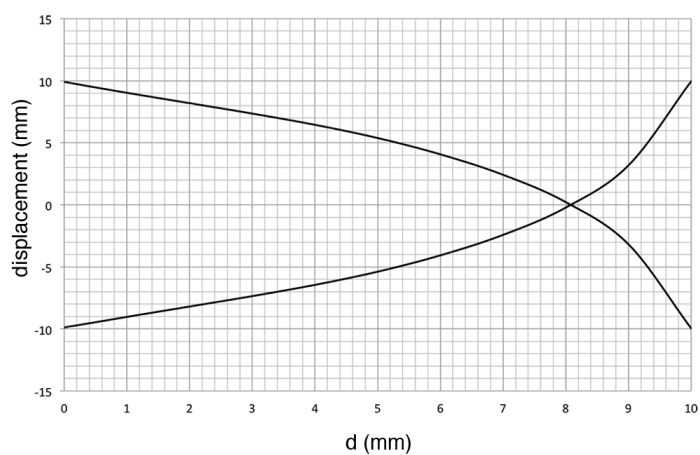
Generical Data

Dimensions	M30 x 1,5 / L = 44mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67



RESPONSE CURVES

Parallel offset



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