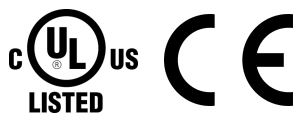


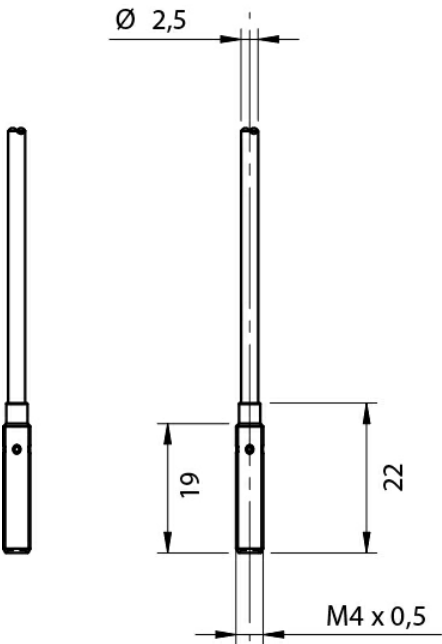


Indicative image



M4 CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS

- Complete range of cylindrical ultraminiaturized inductive sensors M4
- IP67 protection degree



Detection properties

Nominal sensing distance	1mm
Operanting distance	0...0,81mm
Standard target	4x4mm FE360
Correction Factor	copper: 0,3 ± 10 % / aluminium: 0,22 ± 10 % / brass: 0,32 ± 10 % / stainless steel: 0,57 ± 10 %
Thermal drift of Sr	< 10 %
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	NPN
Output Function	NC
Switching frequency	3,5kHz

Electrical data

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

Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,5V @100mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes (auto-reset)
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
Dimensions	M4 x 0,5 / L = 22mm
Weight	30g
Housing Material	AISI 303 Stainless Steel
Connections	2m PUR Cable
Active Head Material	PBT
Tightening torque	1,5Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M4

Test/Approvals

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

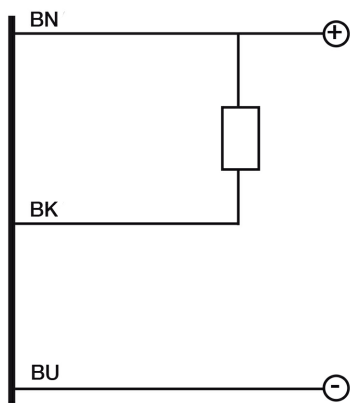
Accessories

Supplied Accessories	2 nuts M4x0,5
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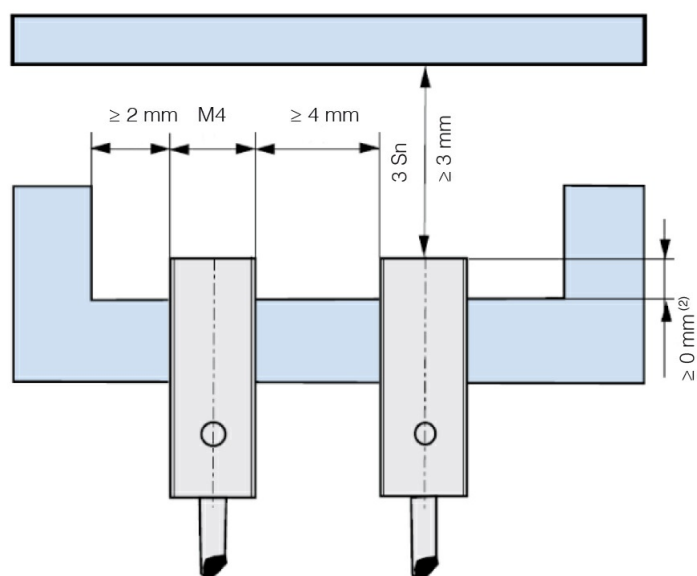
Generical Data

Dimensions	M4 x 0,5 / L = 22mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



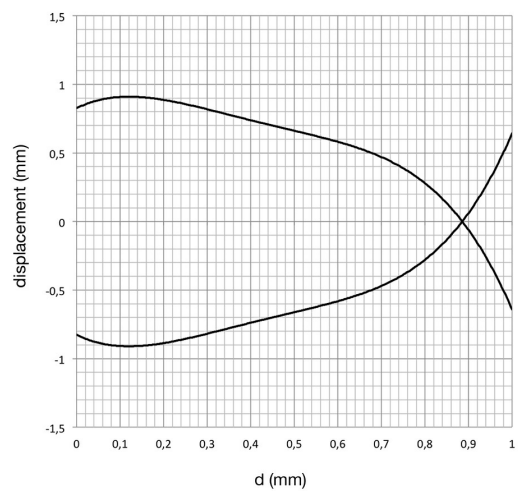
INSTALLATION



⁽²⁾ $\geq 2.5 \text{ mm}$ without ferro-magnetic material

RESPONSE CURVES

Parallel offset



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