

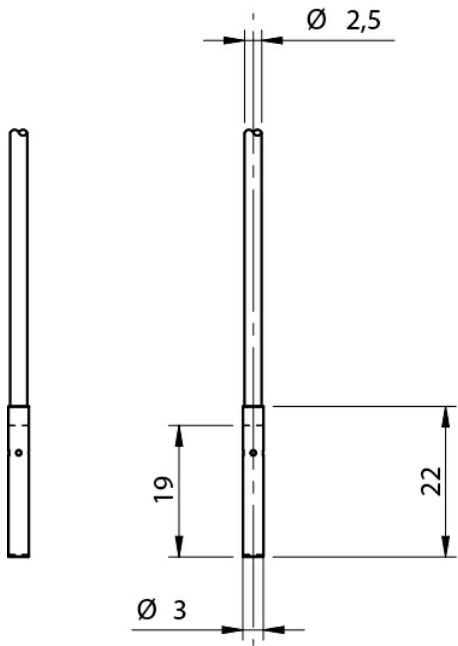


Indicative image



Ø 3 CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS

- Complete range of cylindrical ultraminiaturized inductive sensors Ø 3
- IP67 protection degree



Detection properties

Nominal sensing distance	1mm
Operanting distance	0...0,81mm
Standard target	4x4mm FE360
Correction Factor	copper: 0,33 ± 10% / aluminium: 0,29 ± 10% / brass: 0,35 ± 10% / stainless steel: 0,71 ± 10%
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	PNP
Output Function	NO
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	Ø3 / L = 22mm
Weight	30g
Housing Material	AISI 303 Stainless Steel
Connections	2m PUR Cable
Active Head Material	PBT
Operating temperature	-25°C...+70°C
Diameter/Dimension	Ø3

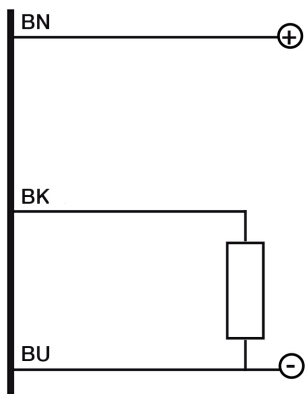
Test/Approvals

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

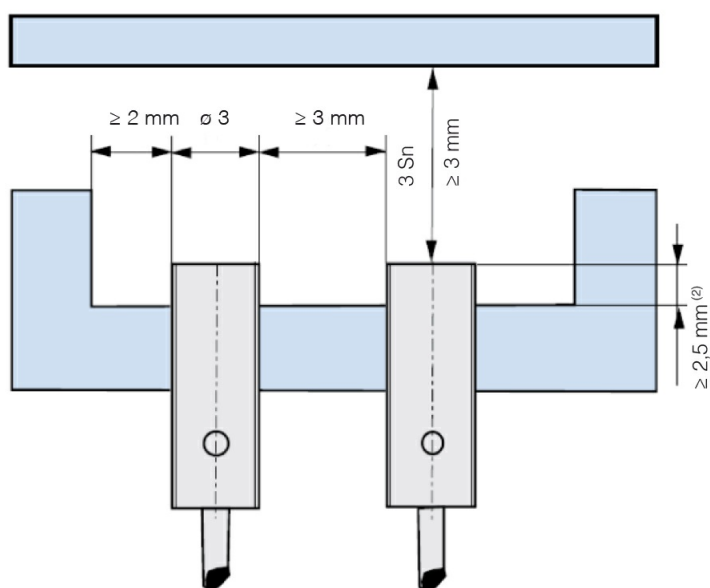
Generical Data

Dimensions	Ø3 / L = 22mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



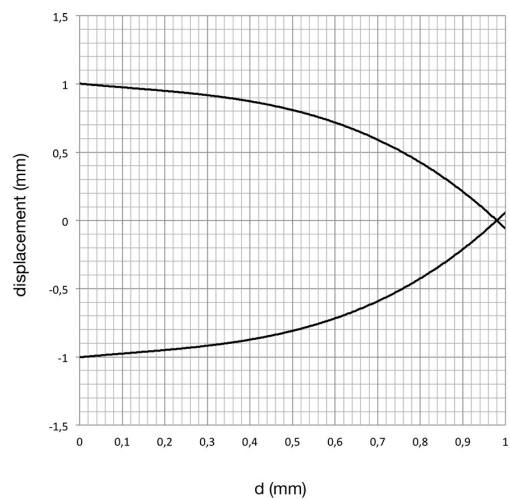
INSTALLATION



⁽²⁾ $\geq 3 \text{ mm}$ without ferro-magnetic material

RESPONSE CURVES

Parallel offset



Datasensing S.r.l.

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@datasensing.com

date of printing

29/04/2022 04:06:20