AC6/CP-1A

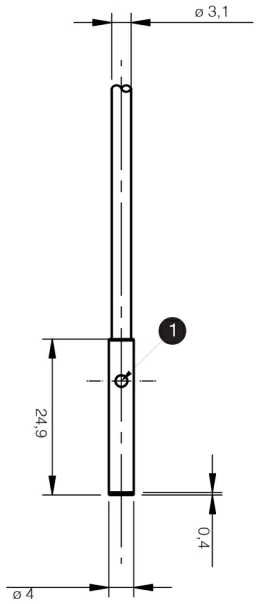
AC1



Indicative image

Ø 4 MM CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS

- Smooth stainless steel housing
- Ø4 mm diameter
- Yellow output LED 360° visible
- Availabe 2 m PVC cable models or M8 connector models
- IP 67 protection degree



Detection properties

Nominal sensing distance	0,8mm
Operanting distance	0...0,65mm
Standard target	4x4mm FE360
Correction Factor	copper: 0,28 ± 10% / aluminium: 0,21 ± 10% / brass: 0,32 ± 10% / stainless steel: 0,63 ± 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	NC
Switching frequency	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	Ø4 / L = 24,9mm
Weight	30g
Housing Material	AISI 303 Stainless Steel
Connections	2m PVC Cable
Active Head Material	PBT
Operating temperature	-25°C...+70°C
Diameter/Dimension	Ø4

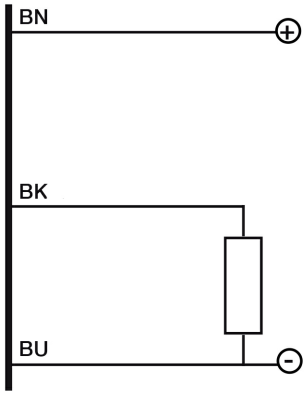
Test/Approvals

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

Generical Data

Dimensions	Ø4 / L = 24,9mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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 04:16:23