AD6/CP-1A

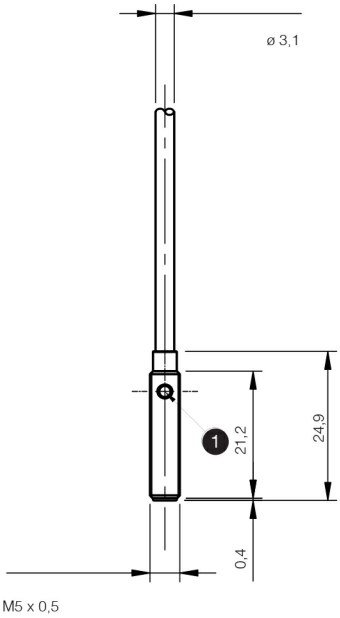
AD1



Indicative image

M5 CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS

- Extremely reduced models: M5 x 30 mm (cable) / 38 mm (plug) lenght
- Operating voltage: 10...30 Vcc
- Output current: 100 mA
- LED output indicator
- Totally protected against electrical damages
- Cable and M8 plug output
- Stainless steel housing



Detection properties

Nominal sensing distance	0,8mm
Operanting distance	0...0,65mm
Standard target	4x4mm FE360
Correction Factor	copper: 0,32 ± 10% / aluminium: 0,26 ± 10% / brass: 0,35 ± 10% / stainless steel: 0,66 ± 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	M5 x 0,5 / L = 24,9mm
Weight	30g
Housing Material	AISI 303 Stainless Steel
Connections	2m PVC Cable
Active Head Material	PBT
Tightening torque	2Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M5

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

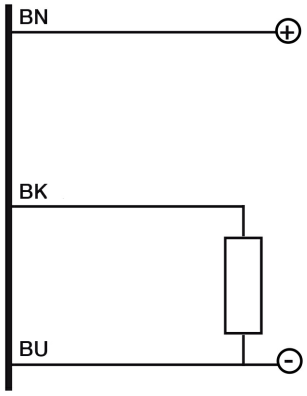
Accessories

Supplied Accessories	2 nuts M5x0,5

Generical Data

Dimensions	M5 x 0,5 / L = 24,9mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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