AH6/CP-2F

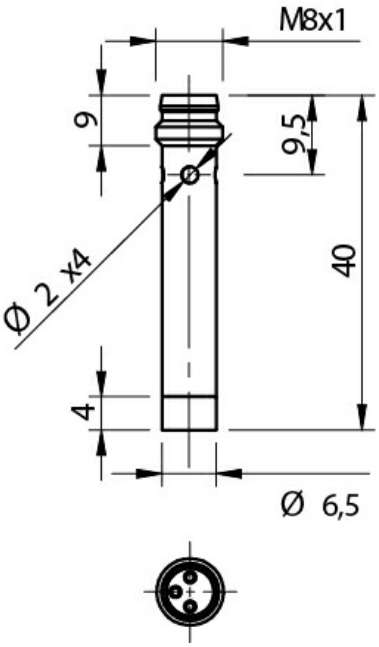
AH



Indicative image

Ø 6.5 MM CYLINDRICAL INDUCTIVE SENSORS

- Extremely reduced dimensions
- Metal housing(stainless steel)
- LED status indicator 360° visible
- IP 67 protection degree
- ATEX models, cat. 3, available on request
- Complete protection against electrical damages
- Standard and long distance models
- Standard and short body housing



Detection properties

Nominal sensing distance	2,5mm
Operanting distance	0...2,02mm
Standard target	8x8mm FE360
Correction Factor	copper: 0,39 / aluminium: 0,45 / brass: 0,54 / stainless steel: 0,81
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	≤ 200mA
Leakage current	≤ 10µA
Output voltage drop	≤ 1,8V @200mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Unshielded
Dimensions	Ø6,5 / L = 40mm
Weight	5g
Housing Material	Nickel-plated brass
Connections	M8 Plug
Active Head Material	PBT
Operating temperature	-25°C...+70°C
Diameter/Dimension	Ø6,5

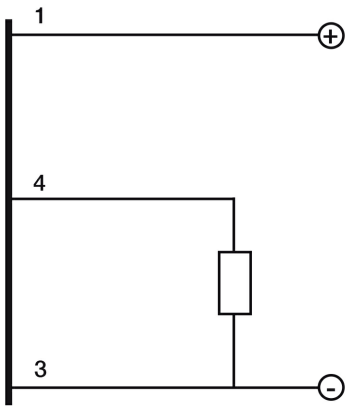
Test/Approvals

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

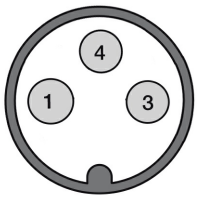
Generical Data

Dimensions	Ø6,5 / L = 40mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

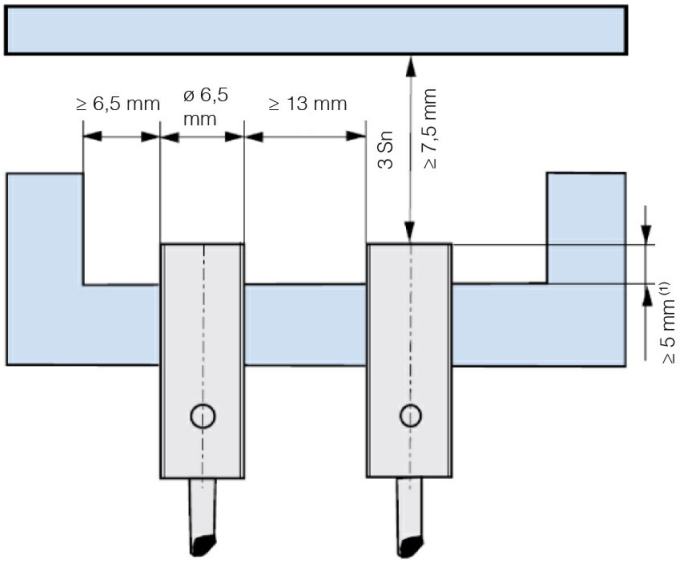
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



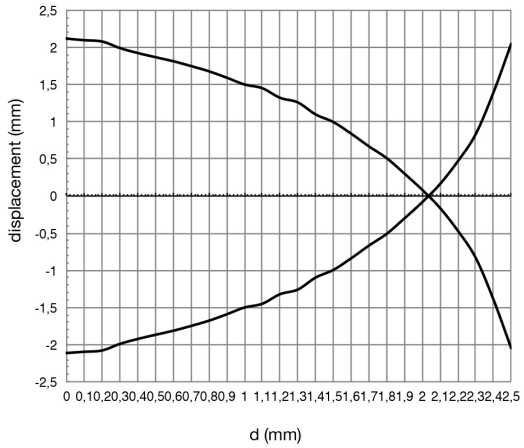
INSTALLATION



(1) ≥ 2,6 mm for non magnetic materials

RESPONSE CURVES

Parallel offset



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