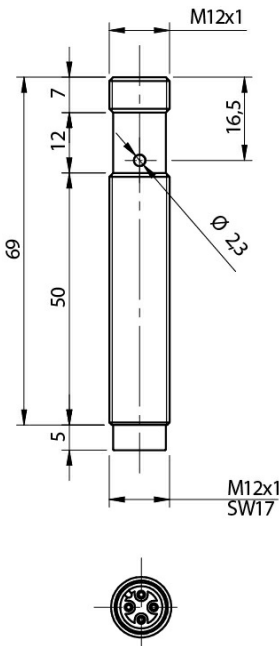




Indicative image

M12 DECOUT® CYLINDRICAL INDUCTIVE SENSORS

- Wide range of models: standard, DECOUT® output
- Output: cable, M12 plug cable exit
- Models with 4 wires
- ATEX models, cat. 3, available on request



Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,2mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,52 / aluminium: 0,57 / brass: 0,62 / stainless steel: 0,87
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	Decout NPN/PNP Configurable
Output Function	Decout NO/NC Selectable
Switching frequency	1kHz

Electrical data

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

Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,2V @100mA
Max ripple content	≤10%
LED indicators	Yellow LED output state
Time delay before availability	≤100ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Unshielded
Dimensions	M12 x 1 / L = 74mm
Weight	29g
Housing Material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	PBT
Tightening torque	10Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M12

Test/Approvals

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

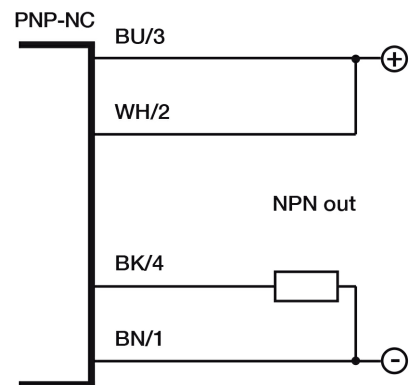
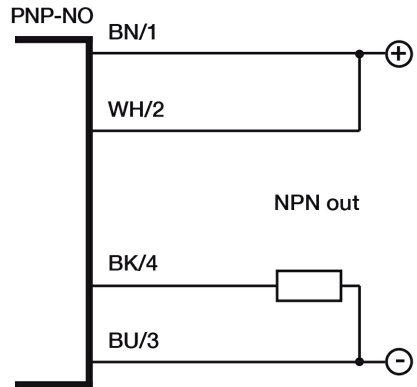
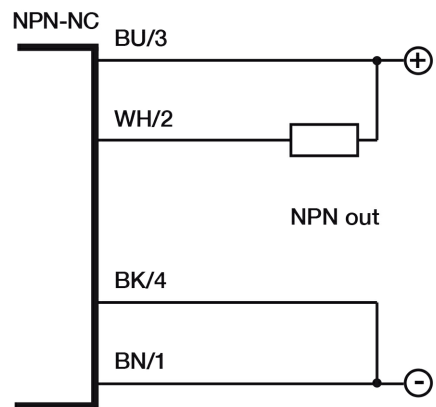
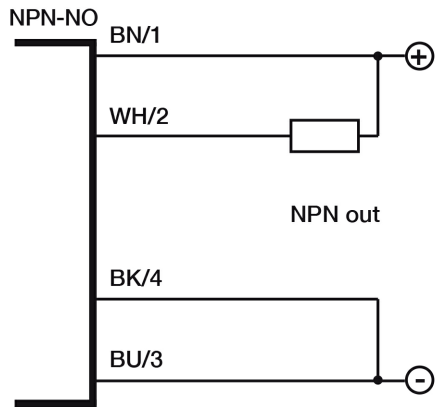
Accessories

Supplied Accessories	2 nuts M12x1
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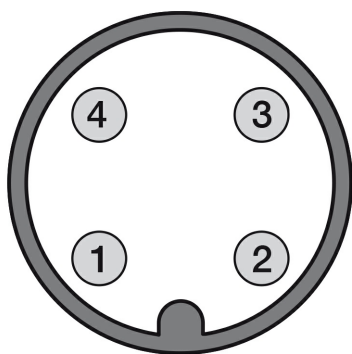
Generical Data

Dimensions	M12 x 1 / L = 74mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

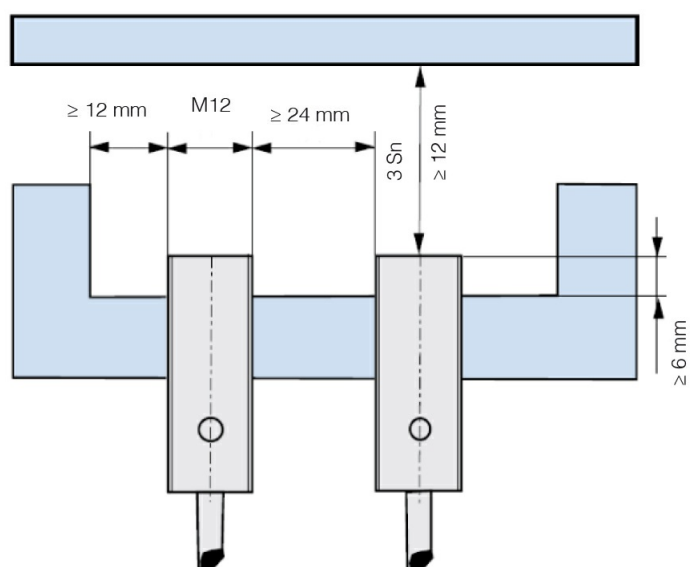
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



CONNECTOR



INSTALLATION



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