

INDUCTIVE SENSOR

M12x1 metal thread – flush – M12 connector

Ø M12  Flush  M12  4 mm  4 x LED



- Inductive sensor
- High-quality metal thread M1
- For all standard applications
- M12 connector
- DC, 10 ... 30 V, NO, PNP
- Protection IP67
- Corrosion-resistant

TECHNICAL DATA

• Electrical data

Electrical design	DC PNP
Operating voltage	10 ... 30 V DC "supply class 2" cULus
Current consumption	< 10 mA (at 24 V DC)
Protection class	III

• Outputs

Output function	normally open
Current rating	100 mA
Voltage drop	< 2.5 V
Short-circuit protection	yes, pulsed
Reverse polarity protection	yes
Overload protection	yes
Switching frequency	700 Hz

• Detection zone

Nominal sensing range (S _n)	4 mm, flush installation [f]
Safe sensing range (S _a)	0 ... 3.24 mm
Correction factors for metal	mild steel = 1; stainless steel approx. 0.7; brass approx. 0.5; Al approx. 0.4, Cu approx. 0.3

• Environmental conditions

Temperature range	-40 ... 70 °C
Protection rating	IP67

• Approvals / tests

EMC	EN 60947-5-2
MTTF	1642 years

• Mechanical data

Housing materials	brass white bronze coated; PBT; PEI
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Weight	0.03 kg
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• Display / operating elements

Switching status indication	4 x yellow LED, visible from all sides
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• Electrical connection:

M12 connector - A-coded	gold-plated contacts
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SCALE DRAWING / PIN CONFIGURATION

