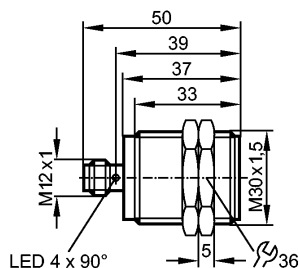


IIS204

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Connector

Increased sensing range

gold-plated contacts

Sensing range 15 mm [f]

flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 10 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

100

Range

Sensing range [mm]

15

Real sensing range (Sr) [mm]

15 ± 10 %

Operating distance [mm]

0...12.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD:

4 kV CD / 8 kV AD

EN 61000-4-3 HF radiated:

10 V/m (80...1000 MHz)

EN 61000-4-4 Burst:

2 kV

IIS204

Inductive sensors

		EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF	[Years]	1992

Mechanical data

Mounting	flush mountable
Housing materials	brass white bronze coated; active face: PBT
Weight	[kg] 0.119

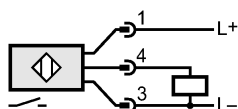
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Accessories

Accessories (included)	2 lock nuts
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