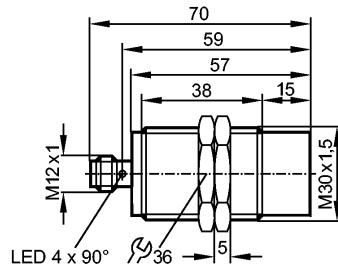


IIT219

IHK3022-APKG/M/V4A/US104-DPO

Inductive sensors



CE EC 1935/2004 FDA

Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Quick disconnect
Increased sensing range
gold-plated contacts
Sensing range 22 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 10
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally closed
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	100

Monitoring range

Sensing range [mm]	22
Real sensing range (Sr) [mm]	22 ± 10 %
Operating distance [mm]	0...17.6

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated: 10 V/m
	EN 61000-4-4 Burst: 2 kV
	EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20Ω)
	EN 61000-4-6 HF conducted: 10 V

IIT219

IHK3022-APKG/M/V4A/US104-DPO

Inductive sensors

	EN 55011:	class B
MTTF	[Years]	1594

Mechanical data

Mounting	non-flush mountable
Housing materials	stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight	[kg] 0.128

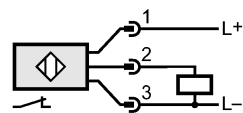
Displays / operating elements

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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Remarks

Pack quantity	[piece]	1
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