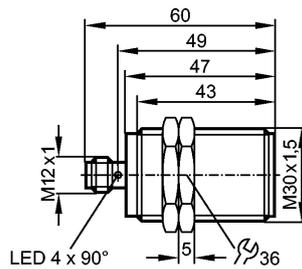


IIC220

IIC2014BASI /M/US-104

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Connector
Gold-plated contacts
Sensing range 14 mm; [f] flush mountable

Electrical data

Electrical design	AS-i
Operating voltage [V]	26.5...31.6 DC (AS-i)
Current consumption [mA]	< 30
Protection class	III
Reverse polarity protection	yes

Outputs

Switching frequency [Hz]	100
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Range

Sensing range [mm]	14
Operating distance [mm]	0...11.34

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.45 / copper approx. 0.35
Hysteresis [% of Sr]	1...20

Reaction times

Power-on delay time [ms]	< 1000
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Environment

Ambient temperature [°C]	-25...70
Protection	IP 68; "Coolant"

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 61000-4-6 HF conducted: 10 V EN 55011: class B
MTTF [Years]	1390

AS-i classification

AS-i version	2.1
Extended addressing mode possible	yes
AS-i profile	S-0.A.F
I/O configuration [hex]	0

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Inductive sensors

ID code [Hex]	A.F				
AS-i certificate	57401				
Data bits	Data bit	D0	D1	D2	D3
	Designation	switching signal	not used	not used	not used
	State = 0	Medium outside the active zone	-	-	-
	State = 1	Medium within the active zone	default value	default value	default value

Mechanical data

Mounting	flush mountable
Housing materials	stainless steel (316L); active face: LCP uncoloured
Weight [kg]	0.121

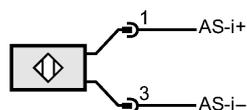
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
Function display	LED	Red

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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