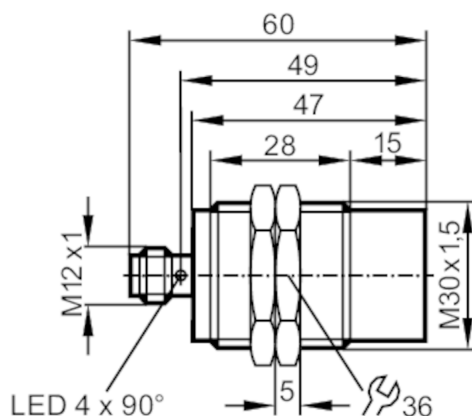


Inductive AS-Interface sensor

IIC2022-ASI / M/US-104



Electrical data

Operating voltage	[V]	26.5...31.6 DC
Current consumption	[mA]	< 30
Protection class		III
Reverse polarity protection		yes
Max. power-on delay time	[ms]	1000

Outputs

Electrical design		AS-i
Switching frequency DC	[Hz]	100

Detection zone

Sensing range	[mm]	22
Real sensing range S_r	[mm]	$22 \pm 10 \%$
Operating distance	[mm]	0...17.82

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.45 / copper: 0.35
Hysteresis	[% of S_r]	1...20
Switch point drift	[% of S_r]	-10...10

Operating conditions

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



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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	
UL approval		Ta	-25...70 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E174191

AS-i classification					
AS-i version		2.1			
Extended addressing mode possible		yes			
AS-i I/O configuration [hex]		0			
AS-i ID code [hex]		A.F			
AS-i certificate		57501			
Assignment of the data bits	Designation	switching signal	not used	not used	not used
	status = 0	target outside the active zone	-	-	-
	status = 1	target within the active zone	default value	default value	default value

Mechanical data	
Weight	[g] 113.5
Housing	threaded type
Mounting	non-flush mountable
Dimensions	[mm] M30 x 1.5 / L = 60
Thread designation	M30 x 1.5
Materials	stainless steel (1.4404 / 316L); sensing face: LCP uncoloured

Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
	function	1 x LED, red

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug	
Connector: 1 x M12; Contacts: gold-plated	





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Connection

