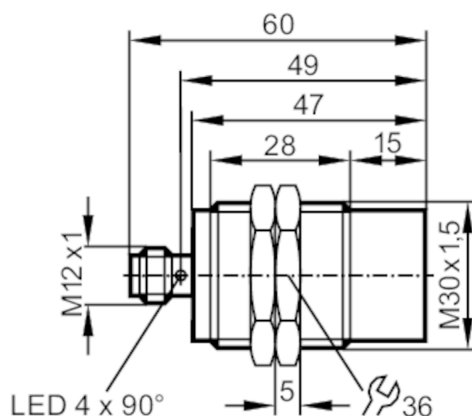




Product characteristics

Electrical design		AS-i
Sensing range	[mm]	22
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 60

Application

Special feature	Gold-plated contacts
Application	Use in machine tools, coolants and lubricants

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 Sr	[mm]	22 ± 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	[X01]	1...20
Switch point drift	[X01]	-10...10

Operating conditions

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



Inductive AS-Interface sensor

IIC2022-ASI /M/US-104

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	[ANN]	1390			
UL approval	Ta		-25...70 °C		
	Enclosure type		Type 1		
	подача напруги		Limited Voltage/Current		
	File number UL		E174191		
AS-i classification					
AS-i version	2.1				
Розширений режим адресації	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]	114			
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		
Аксессуары					
Items supplied	lock nuts: 2				
Remarks					
Pack quantity	1 pcs.				
Electrical connection - plug					
Connector: 1 x M12; coding: A; Contacts: gold-plated					
					



Inductive AS-Interface sensor

IIC2022-ASI /M/US-104

Connection

