IIT22A

Inductive sensor

IIB3014BBPKG/M/V4A/US/3D/3G

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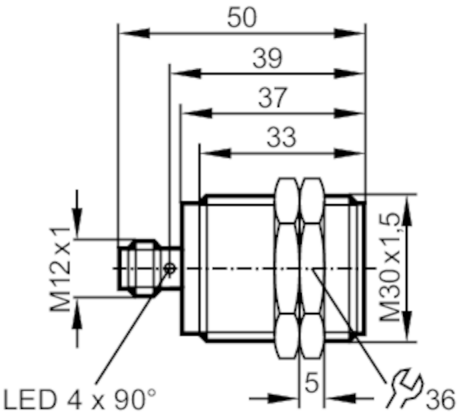
Alternative articles: II502A

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	14
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 50
Application		
Special feature		Gold-plated contacts; Increased sensing range
Application		Use in wet areas and in the food and beverage industry
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed

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Overload protection			yes
Detection zone			
Sensing range	[mm]		14
Operating distance	[mm]		0...11.34
Increased sensing range			yes
Accuracy / deviations			
Correction factor			steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]		1...20
Operating conditions			
Ambient temperature	[°C]		0...60
Protection			IP 67
Tests / approvals			
ATEX marking			II 3G Ex nA II T6 X
			II 3D Ex tD A22 IP67 T80°C X
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
Mechanical data			
Weight	[g]		0.142
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M30 x 1.5 / L = 50
Thread designation			M30 x 1.5
Materials			stainless steel (316L/1.4404); sensing face: PEEK
Displays / operating elements			
Display		switching status	4 x 90° LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated

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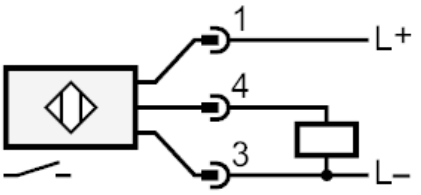
Connection