

II501A



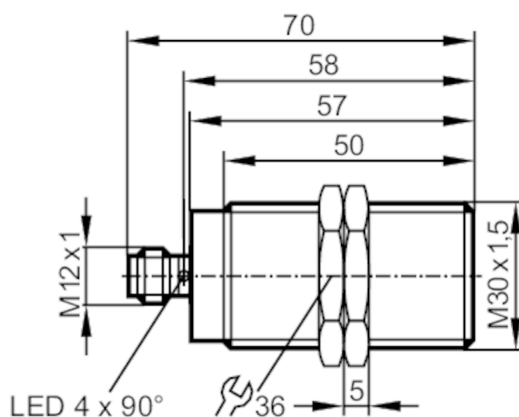
Inductive full-metal sensor

IIK3010-BPKG/AM/US104DPS/3G/3D

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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]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 70

Application

Special feature	Gold-plated contacts; Full-metal housing
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 20
Protection class	III
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
Switching frequency DC [Hz]	50
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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Detection zone		
Sensing range	[mm]	10
Operating distance	[mm]	0...8.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7
Hysteresis	[X01]	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 emission	class B
Mechanical data		
Weight	[g]	0.161
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 70
Thread designation		M30 x 1.5
Materials		housing: stainless steel; sensing face: stainless steel; LED window: PEI
Full-metal housing		yes
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Аксессуары		
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

