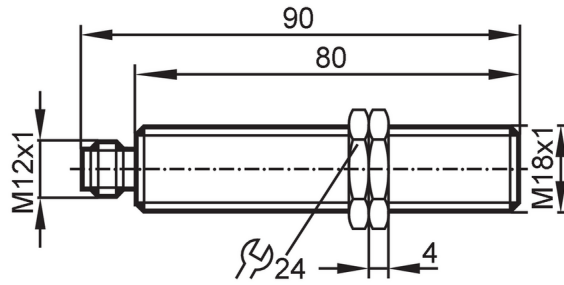


IG5927



Inductive sensor

IGA3005-BPKG/V4A/US-104



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	5
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 90

Application

Application	Industrial applications / factory automation
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (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]	250
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

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Inductive sensor

IGA3005-BPKG/V4A/US-104

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
MTTF [years]	1083
Mechanical data	
Weight [g]	67.4
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M18 x 1 / L = 90
Thread designation	M18 x 1
Materials	stainless steel (316Ti/1.4571); PC
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



Connection

