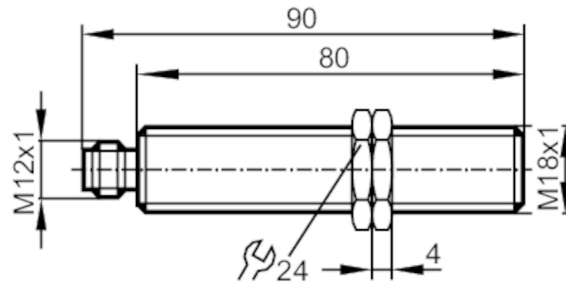


IG5927



Inductive sensor

IGA3005-BPKG/V4A/US-100-DPS/OL



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 S_r [mm]	$5 \pm 10\%$
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 S_r]	3...15
Switch point drift [% of S_r]	-10...10

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IGA3005-BPKG/V4A/US-100-DPS/OL

Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
MTTF [years]	1905
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 (1.4571/316Ti); PC
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection - plug	

Connector: 1 x M12; coding: A



Connection

