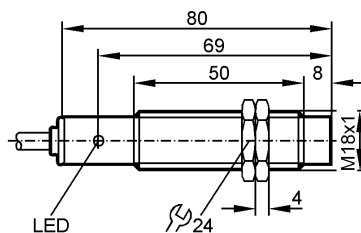


IG6053

IGA3012-ANKG/0.98M/PH/US100DNS

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable with connector

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design		DC NPN
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15 (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	100

Monitoring range

Sensing range	[mm]	12
Real sensing range (Sr)	[mm]	12 ± 10 %
Operating distance	[mm]	0...9.7

Accuracy / deviations

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

Environment

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011:	class B
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IG6053

IGA3012-ANKG/0.98M/PH/US100DNS

Inductive sensors

MTTF	[Years]	1754
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Mechanical data

Mounting	non-flush mountable	
Housing materials	brass white bronze coated; PC (polycarbonate); TPE	
Weight	[kg]	0.111

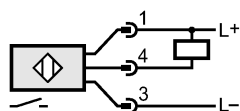
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PUR / PVC cable / 0.98 m; with M12 connector	
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Wiring



Accessories

Accessories (included)	2 lock nuts	
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Remarks

Pack quantity	[piece]	1
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