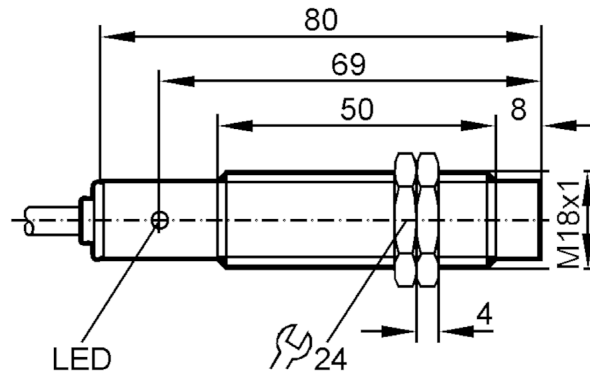


# IG6053



## Inductive sensor

IGA3012-ANKG/0,98M/PH/US100DNS



### Product characteristics

Electrical design		NPN
Output function		normally open
Sensing range	[mm]	12
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 80

### Electrical data

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

### Outputs


Electrical design		NPN
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]	100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

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IGA3012-ANKG/0,98M/PH/US100DNS

Monitoring range		
Sensing range	[mm]	12
Real sensing range Sr	[mm]	12 ± 10 %
Operating distance	[mm]	0...9.7
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011 class B
MTTF	[years]	1754
Mechanical data		
Weight	[g]	108.2
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Material		brass white bronze coated; PC; TPE
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.98 m, PUR / PVC		
Connector: 1 x M12; coding: A		
		

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### Connection

