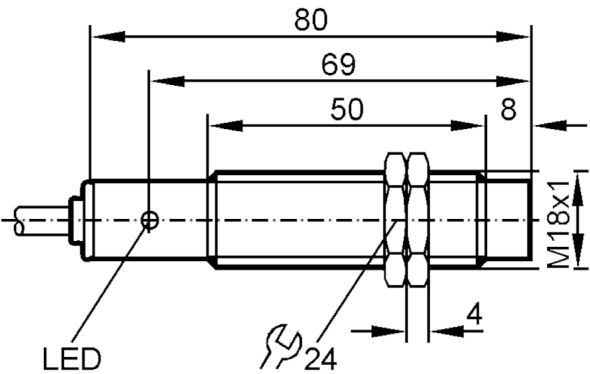


IG6052



Inductive sensor

IGA3012-BNKG/0,1M/US100-DNO



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 closed
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		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	12
Real sensing range Sr	[mm]	12 ± 10 %
Operating distance	[mm]	0...9.7

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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
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF	[years]	1754
Mechanical data		
Weight	[g]	65
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M18 x 1
Thread designation	M18 x 1	
Materials	brass white bronze coated; PC	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Connection	plug	
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.1 m, PVC		
Connector: 1 x M12		
		

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Connection

