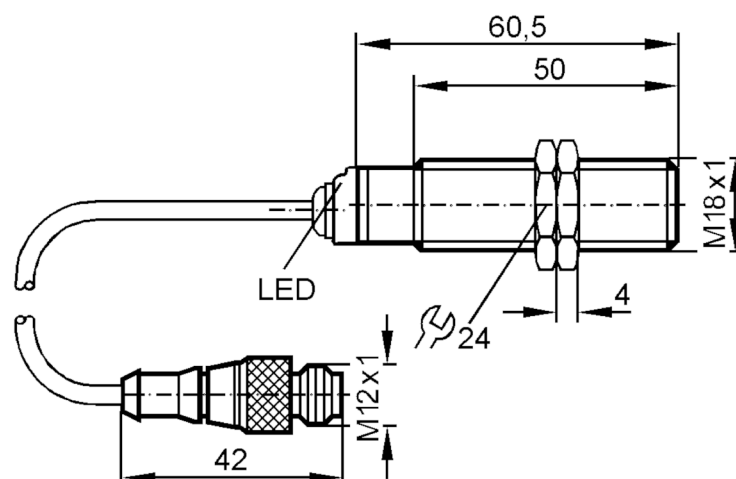


Inductive sensor

IGB2004-ARKG/0,80M PVC

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Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	4
Housing		Threaded type
Dimensions	[mm]	M18 x 1

Electrical data

Operating voltage	[V]	10...55 DC
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.5
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

IG9912



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Monitoring range		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
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
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Material		end cap: TPE-U; housing: brass white bronze coated; sensing face: ceramics
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: 0.8 m, PVC		
Connector: 1 x M12; coding: A		
		

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Connection

