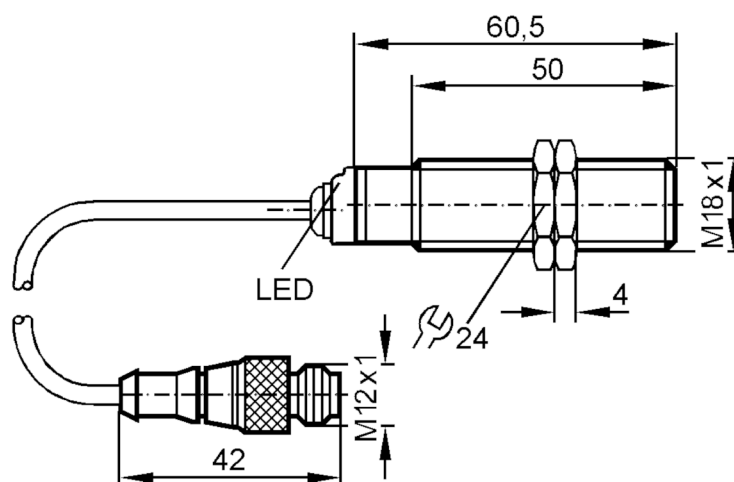


Inductive sensor

IGB2004-BRKG/0,80M PVC

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Product characteristics

Electrical design	PNP/NPN
Output function	normally closed
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 closed
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	pulsed
Overload protection	yes



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Detection zone		
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 / aluminium: 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	
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		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

