IG5251

Inductive sensor

IGB3005-BNOG/ 6m

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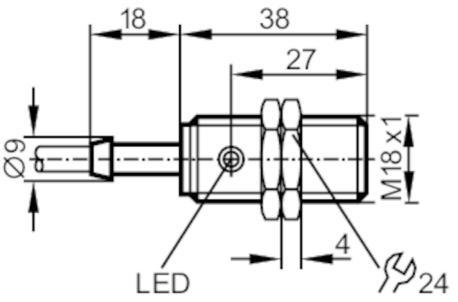

Product characteristics		
Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	5
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 38
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	125; (150 (...50 °C))
Switching frequency DC	[Hz]	500
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67

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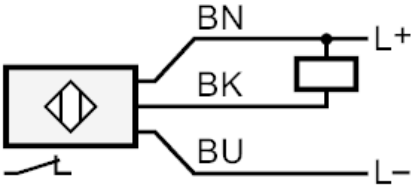
Mechanical data			
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M18 x 1 / L = 38
Thread designation			M18 x 1
Materials			brass nickel-plated; PBT
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection			

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



	Core colours :
BN =	brown
BU =	blue
BK =	black