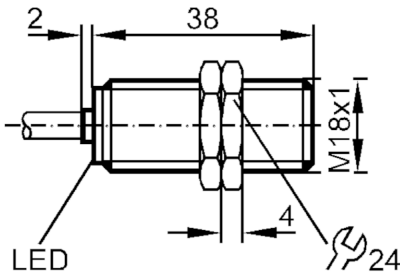




Inductive sensor

IGB2008BARKG/0,25M/PH DT042P



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	8
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 38
Application		
Special feature		Increased sensing range
Electrical data		
Operating voltage	[V]	10...30 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Minimum load current	[mA]	2
Max. leakage current	[mA]	0.5
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)

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Inductive sensor

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Overload protection	yes	
Monitoring range		
Sensing range	[mm]	8
Increased sensing range	yes	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.3 / copper: 0.3	
Hysteresis	[% of Sr]	1...15
Operating conditions		
Ambient temperature	[°C]	-40...80
Protection	IP 67; IP 69K	
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	2166
Mechanical data		
Weight	[g]	58.2
Housing	Threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M18 x 1 / L = 38
Thread designation	M18 x 1	
Material	threaded sleeve: brass white bronze coated; sensing face: 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: 0.25 m, PUR; Blue marking ring; 2 x 0.50 mm²		
Electrical connection - plug		
Connector: 1 x DEUTSCH connector (DT04-2P)		
1  2		

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Connection

