

IT5028

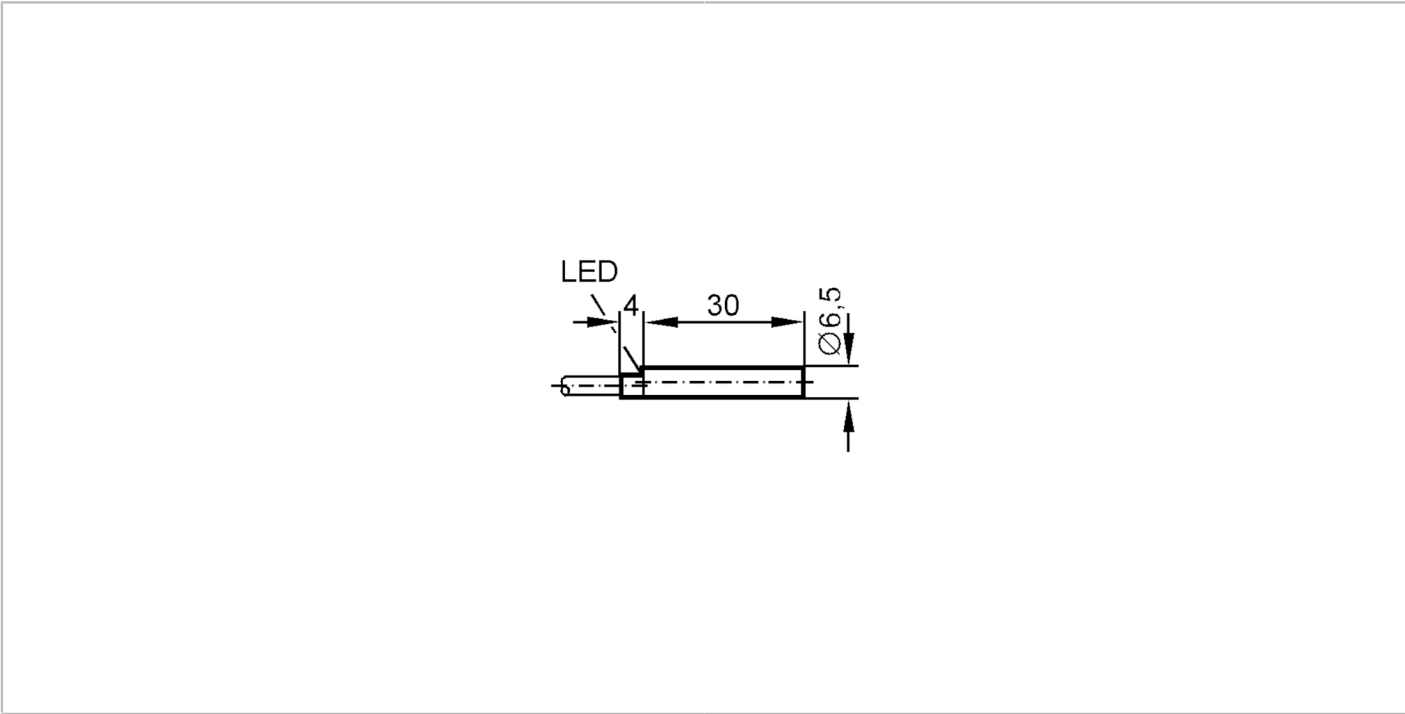


Inductive sensor

ITB31,5-BPKG/V2A

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Alternative articles: IT5036
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		cylindrical
Dimensions	[mm]	Ø 6.5
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 9.5
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.8
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	5000
Short-circuit protection		yes
Type of short-circuit protection		pulsed



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Overload protection	yes	
Detection zone		
Sensing range	[mm]	1.5
Real sensing range Sr	[mm]	1.5 ± 10 %
Operating distance	[mm]	0...1.2
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.25	
Hysteresis	[% of Sr]	1...10
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		
Weight	[g]	56.6
Housing	cylindrical	
Mounting	flush mountable	
Dimensions	[mm]	Ø 6.5
Materials	stainless steel (1.4305 / 303); PA 12-GF30	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamps: 1	
Remarks		
Pack quantity	1 pcs.	

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Electrical connection

Cable: 2 m, PVC; highly flexible; 3 x 0.25 mm²

Connection



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