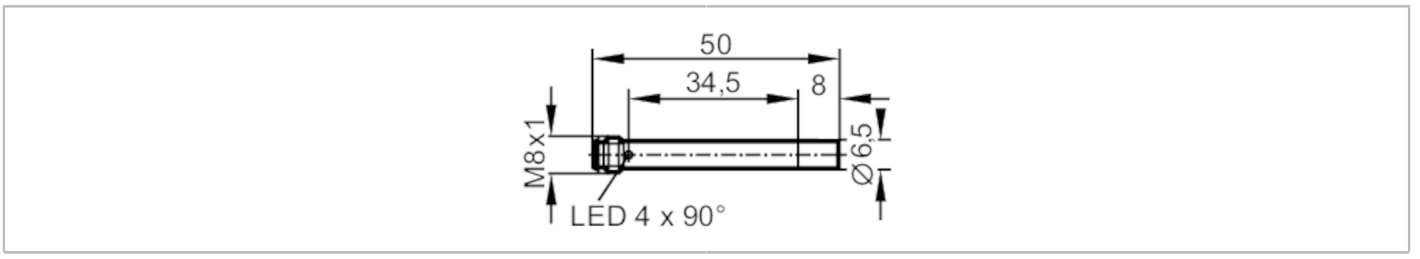
IT5044

Inductive sensor

ITB3004-BPKG/V4A/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		tubular
Dimensions	[mm]	Ø 6.5 / L = 50
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	750
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	4
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]	1...15
Operating conditions		
Ambient temperature	[°C]	0...60
Protection		IP 67; (with ifm socket duly screwed on)

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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 61000-4-6 HF conducted	10 V
		EN 55011	class B
UL approval		Ta	0...60 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191

Mechanical data		
Weight	[g]	16.5
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 6.5 / L = 50
Material		housing: stainless steel; sensing face: LCP

Displays / operating elements		
Display	Switching status	4 x 90° LED, yellow

Accessories	
Items supplied	Mounting clamp: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

