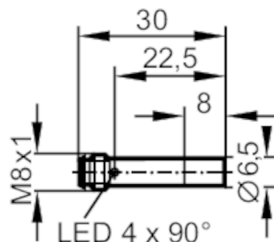


IT5041



Inductive sensor

ITB3004-BPKG/V4A/AS



Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
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]	100
Switching frequency DC	[Hz]	700
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-20...70
Protection		IP 67; (if screwed on)

IT5041



Inductive sensor

ITB3004-BPKG/V4A/AS

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	3262
UL approval	Ta	-20...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data		
Weight	[g]	15.4
Housing	cylindrical	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 6.5 / L = 30
Materials	housing: stainless steel; sensing face: LCP	

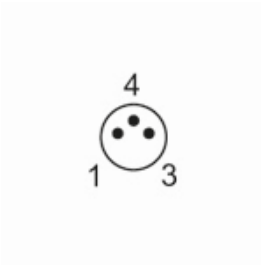
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow

Accessories		
Accessories (supplied)	Mounting clamps: 1	

Remarks		
Pack quantity	1 pcs.	

Electrical connection - plug

Connector: 1 x M8



Connection

