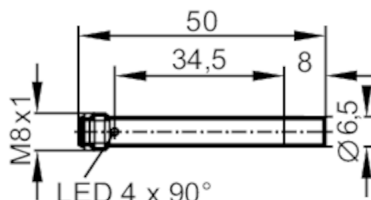


IT5044



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]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	4
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

Operating conditions

Ambient temperature	[°C]	0...60
Protection		IP 65; (\$mit_vorschriftsgemaess_aufgeschraubter_ifm_Kabeldose \$mit_vorschriftsgemaess_aufgeschraubter_ifm_Kabeldose: IP67)

Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]	2359	
UL approval		Ta	0...60 °C
		Enclosure type	Type 1
		voltage supply	Class 2
		File number UL	E174191

Inductive sensor

ITB3004-BPKG/V4A/AS

Mechanical data

Weight	[g]	17.6
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 6.5 / L = 50
Materials		housing: stainless steel; sensing face: LCP

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
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Accessories

Accessories (supplied)	Mounting clamps: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8



Connection

