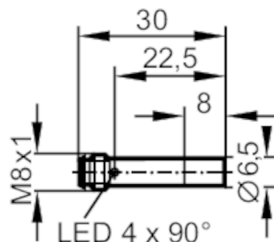




Inductive sensor

ITB3004-BPKG/V4A/AS



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	cylindrical
Dimensions [mm]	Ø 6.5 / L = 30

Electrical data

Operating voltage [V]	10...30 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]	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 S_r [mm]	$4 \pm 10\%$
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 S_r]	1...15
Switch point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-20...70
Protection	IP 65; (with ifm socket duly screwed on: IP 67)



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Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]		1826
UL approval	Ta	-20...70 °C
	Enclosure type	Type 1
	power supply	Class 2
	File number UL	E174191

Mechanical data

Weight [g]	14.3
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
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Accessories

Items supplied	Mounting clamps: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

