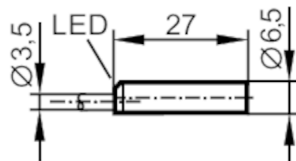




Inductive sensor

ITB3002BBPKG/V4A/2M



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	cylindrical
Dimensions [mm]	Ø 6.5 / L = 27

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]	1500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.62

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

Operating conditions

Ambient temperature [°C]	-20...70
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	3408

IT5042



Inductive sensor

ITB3002BBPKG/V4A/2M

UL approval	Ta	-20...70 °C
	Enclosure type	Type 1
	power supply	Class 2
	File number UL	E174191

Mechanical data		
Weight	[g]	44.3
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 6.5 / L = 27
Materials		stainless steel; LCP

Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Items supplied	Mounting clamps: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR; 3 x 0.14 mm²	

Connection

