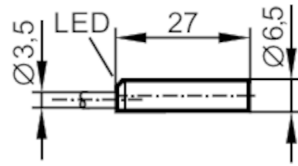


IT5042



Inductive sensor

ITB3002BBPKG/V4A/2M



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]	1500	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	2	
Real sensing range Sr [mm]	2 ± 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 Sr]	1...15	
Operating conditions		
Ambient temperature [°C]	-20...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	3408	
UL approval	Ta	-20...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

IT5042



Inductive sensor

ITB3002BBPKG/V4A/2M

Mechanical data	
Weight [g]	45
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	
Accessories (supplied)	Mounting clamps: 1

Remarks	
Pack quantity	1 pcs.

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

Connection

