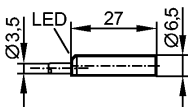


**IT5042**

ITB3002BBPKG/V4A/2M

Inductive sensors



**Product characteristics**

Inductive sensor

Metal housing Ø 6.5 mm

Cable

Sensing range 2 mm; [f] flush mountable

**Electrical data**

Electrical design		DC PNP
Operating voltage [V]		10...30 DC; "supply class 2" to cULus.
Current consumption [mA]		< 15
Protection class		III
Reverse polarity protection		yes

**Outputs**

Output function		normally open
Voltage drop [V]		< 2.5
Current rating [mA]		100
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency [Hz]		1500

**Range**

Sensing range [mm]		2
Real sensing range (Sr) [mm]		2 ± 10 %
Operating distance [mm]		0...1.62

**Accuracy / deviations**

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]		1...15

**Environment**

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

**Tests / approvals**

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

**Mechanical data**

Mounting		flush mountable
Housing materials		high-grade stainless steel; LCP
Weight [kg]		0.047

**Displays / operating elements**

Output status indication	LED	yellow
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**Electrical connection**

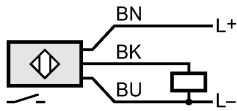
Connection		PUR cable / 2 m; 3 x 0.14 mm <sup>2</sup>
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## IT5042

ITB3002BBPKG/V4A/2M

Inductive sensors

### Wiring



### Accessories

Accessories (included)	Mounting clamp
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### Remarks

Pack quantity	[piece]	1
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