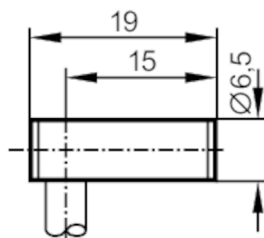




Inductive sensor

ITB3002-BPKG/2M PVC



Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	20; (24 V)
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]	200
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range S_r	[mm]	$2 \pm 10 \%$
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	< 15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1045
UL approval	T_a	0...40 °C
	voltage supply	Class 2
	File number UL	E174191

IT5039



Inductive sensor

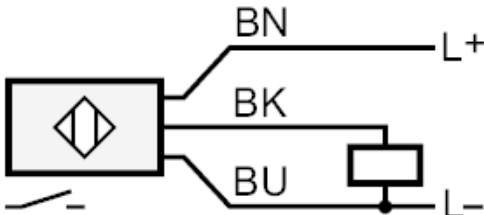
ITB3002-BPKG/2M PVC

Mechanical data		
Weight	[g]	56
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 6.5 / L = 19
Materials		housing: stainless steel; sensing face: PBT

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PVC; 3 x 0.14 mm ²	

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue