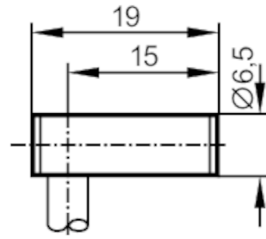


IT5039



Inductive sensor

ITB3002-BPKG/2M PVC



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		tubular
Dimensions	[mm]	Ø 6.5 / L = 19

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		yes (non-latching)
Overload protection		no

Monitoring range

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

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

Operating conditions

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

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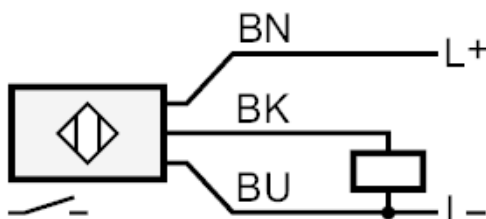
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1045	
UL approval	Ta	0...40 °C
	voltage supply	Class 2
	File number UL	E174191

Mechanical data		
Weight [g]	57	
Housing	tubular	
Mounting	flush mountable	
Dimensions [mm]	Ø 6.5 / L = 19	
Material	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 colors :

- BK = black
- BN = brown
- BU = blue