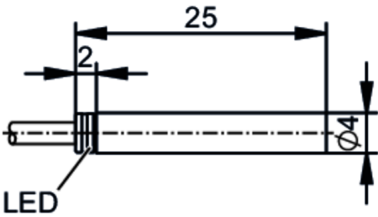




Inductive sensor

IZB31,5-BPKG/2m



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		cylindrical
Dimensions	[mm]	Ø 4 / L = 25
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
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]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	1.5
Real sensing range Sr	[mm]	1.5 ± 10 %
Operating distance	[mm]	0...1.2
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65; IP 67

IZ5061



Inductive sensor

IZB31,5-BPKG/2m

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B

Mechanical data

Weight	[g]	25
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 25
Materials		housing: stainless steel (303/1.4305); sensing face: POM; LED ring: PA

Displays / operating elements

Display	switching status	1 x LED ring, yellow cable entry lights translucently
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Accessories

Items supplied	mounting clamp: 1
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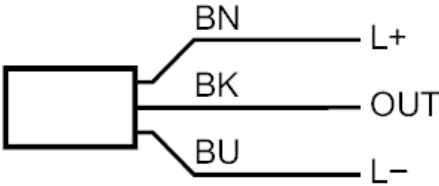
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 3 x 0.08 mm²

Connection



BN:	L+
BK:	OUT DO (NO)
BU:	L-