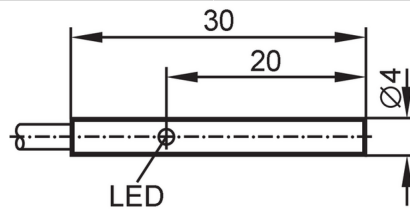


# IZ5026



## Inductive sensor

IZB30,8-BPKG/V2A



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	0.8
Housing	cylindrical
Dimensions [mm]	∅ 4 / L = 30

### 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]	0.8
Real sensing range $S_r$ [mm]	$0.8 \pm 10\%$
Operating distance [mm]	0...0.65

### 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

### Tests / approvals

EMC	EN 60947-5-2
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# IZ5026



## Inductive sensor

IZB30,8-BPKG/V2A

MTTF	[years]	953
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

### Mechanical data

Weight	[g]	45.6
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 30
Materials		housing: stainless steel (303/1.4305); sensing face: POM

### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Items supplied	Mounting clamps: 1
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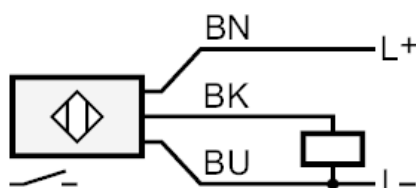
### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



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