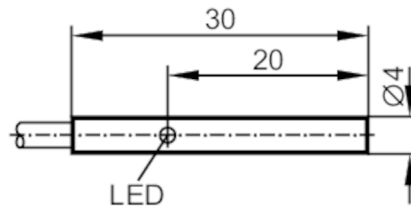


# IZ5031



## Inductive sensor

IZB30,8-APKG/V2A



Product characteristics	
Electrical design	PNP
Output function	normally closed
Sensing range [mm]	0.8
Housing	cylindrical
Dimensions [mm]	Ø 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 closed
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 Sr [mm]	0.8 ± 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

# IZ5031



## Inductive sensor

IZB30,8-APKG/V2A

### Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B
MTTF	[years]	2053

### Mechanical data

Weight	[g]	44.9
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 30
Materials		stainless steel (1.4305 / 303); 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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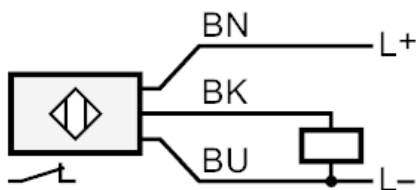
### Remarks

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