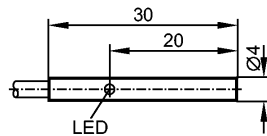


IZ5026

IZB30.8-BPKG/V2A

Inductive sensors


Product characteristics

Inductive sensor

Metal housing Ø 4 mm

Cable

Sensing range 0.8 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; cULus - Class 2 source required
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	2000

Monitoring range

Sensing range [mm]	0.8
Real sensing range (Sr) [mm]	0.8 ± 10 %
Operating distance [mm]	0...0.65

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	953

Mechanical data

Mounting	flush mountable
Housing materials	housing: stainless steel (303S22); active face: POM (polyoxymethylene)
Weight [kg]	0.045

Displays / operating elements

Output status indication LED	yellow
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Electrical connection



IZ5026

IZB30.8-BPKG/V2A

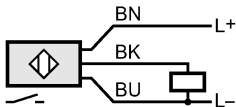
Inductive sensors

Connection	PVC cable / 2 m; 3 x 0.14 mm²
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Wiring

Core colors

- BN brown
- BU blue
- BK black



Accessories	
Accessories (included)	Mounting clamp
Remarks	
Pack quantity	[piece] 1