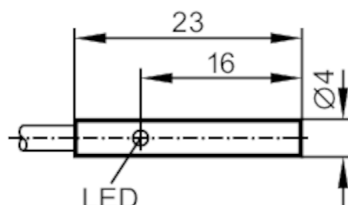


IZ5051



Inductive sensor

IZB30,8-BPKG/V2A/ZS



Electrical data

Operating voltage	[V]	10...30 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 S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

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

Tests / approvals

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

IZ5051



Inductive sensor

IZB30,8-BPKG/V2A/ZS

Mechanical data		
Weight	[g]	38.2
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 23
Materials		stainless steel (1.4305 / 303); sensing face: POM

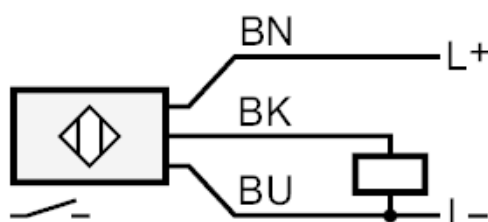
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	Mounting clamps: 1

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PUR / PVC; 3 x 0.14 mm ²	

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black