

IZ5055



Inductive sensor

IZB31,2-BPKG/V2A/0,3M/AS-610

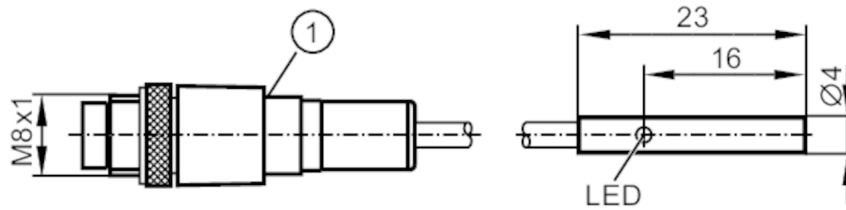


illustration (example)



Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.2
Housing		tubular
Dimensions	[mm]	Ø 4 / L = 23

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		yes (non-latching)
Overload protection		yes

Monitoring range

Sensing range	[mm]	1.2
Operating distance	[mm]	0...0.97

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15

Operating conditions

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

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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]	2060

Mechanical data		
Weight	[g]	21.2
Housing		tubular
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 23
Material		stainless steel (1.4305 / 303); sensing face: POM

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

Accessories		
Items supplied		Mounting clamp: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug		
Cable: 0.3 m, PUR		

Connector: 1 x M8; coding: A; Locking: snap-fit



Connection

