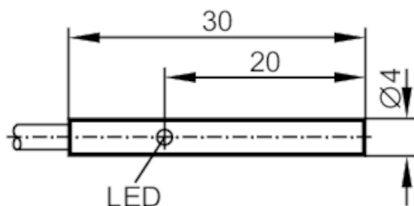




Inductive sensor

IZB30,8-ANKG/PH

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Product characteristics

Electrical design	NPN
Output function	normally open
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	NPN
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 Sr [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

IZ5042



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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	953
Mechanical data		
Housing		cylindrical
Mounting		flush mountable
Dimensions	[mm]	Ø 4 / L = 30
Materials		stainless steel (303/1.4305); POM
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		Mounting clamps: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 3 x 0.14 mm ²		
Connection		



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