

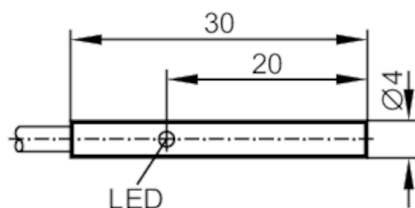
IZ5024



Inductive sensor

IZB30,8-BPKG/V2A/0,1M/AS-610-T

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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	0.8
Housing	tubular
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 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]	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 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of S_r]	3...15
Switch-point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65

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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	tubular
Mounting	flush mountable
Dimensions [mm]	Ø 4 / L = 30
Material	stainless steel (1.4305 / 303); POM

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Mounting clamp: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.1 m, PVC

Connector: 1 x M8; coding: A



Connection

