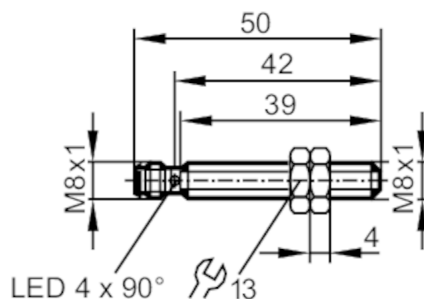


Inductive sensor

IEA3001,4BPOG/AS-500-TPS

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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1.4
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 50

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	300
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	1.4
Real sensing range Sr [mm]	1.3 ± 10 %
Operating distance [mm]	1.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...20

Operating conditions

Ambient temperature [°C]	-15...70
Protection	IP 65

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Mechanical data		
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation	M8 x 1	
Materials	housing: brass nickel-plated; sensing face: PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

