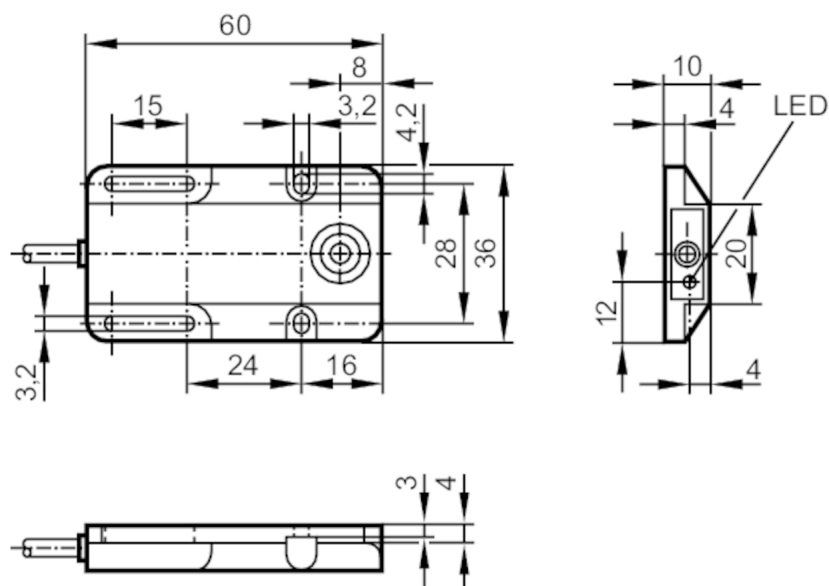


IW8501



Inductive sensor

IW-3008-BPKG/8"/US100D



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	rectangular
Dimensions [mm]	60 x 36 x 10

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
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]	250
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Overload protection	yes

Detection zone

Sensing range [mm]	8
Real sensing range Sr [mm]	$8 \pm 10 \%$
Operating distance [mm]	0...6.5

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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...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1912	

Mechanical data

Weight [g]	37.5
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	60 x 36 x 10
Materials	PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.2 m, PVC; 3 x 0.14 mm²

Connector: 1 x M12; coding: A



Connection

