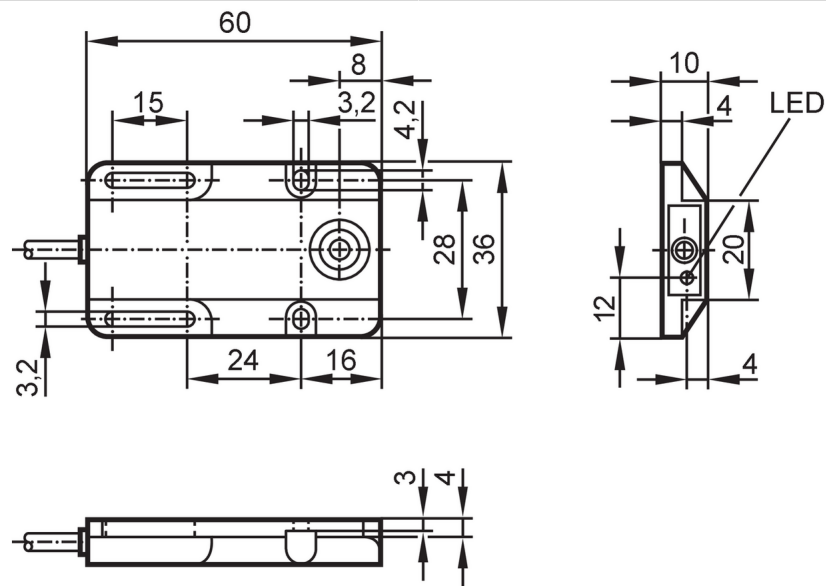


IW5084



Inductive sensor

IW-3008-BPKG/0,2M/US



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

Monitoring range

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

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
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IW5084



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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	Automotive area	
	Noise emission and noise interference: ECE R10	E1 type approval
	radiation according to ECE R10_ESA_1m	>10 db limits, depending on distance
	noise immunity according to DIN ISO 11452-2	30 V/m
	bulk current injection (BCI) acc. DIN ISO 11452-4	60 mA
	conducted interference in 24 V networks to ISO 7637-2: 2004 (pulse 1 to 4)	
	pulse	1 2a 2b 3a 3b 4
	Severity level	III III III III III III
	Failure criterion	C B C A A C
	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	10 V
	EN 55011	class B
MTTF	[years]	1912

Mechanical data

Weight	[g]	37.55
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	60 x 36 x 10
Material		housing: 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; Contacts: 3



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Connection

