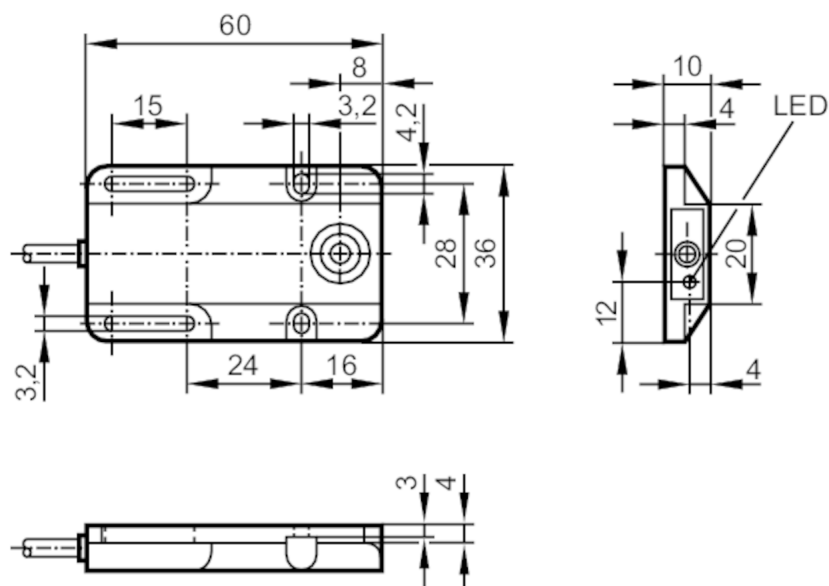


Inductive sensor

IW-3008-ANKG



Product characteristics

Electrical design		NPN
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		NPN
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]		120
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range [mm]		8
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IW5008



Inductive sensor

IW-3008-ANKG

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

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-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]	1745

Mechanical data

Weight	[g]	58.6
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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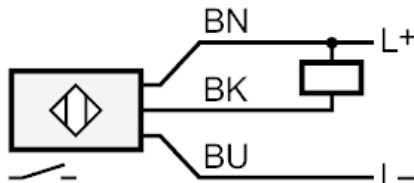
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



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