



Inductive sensor

IW-3005-BNOG/10m

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	5
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	no

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	200
Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	5
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IW5021



Inductive sensor

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Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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

Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	60 x 36 x 10
Material		PBT

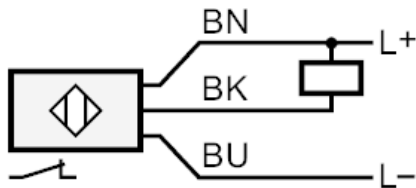
Displays / operating elements		
Display	Switching status	1 x LED, yellow

Remarks		
Pack quantity		1 pcs.

Electrical connection

Cable: 10 m, PVC; 3 x 0.14 mm²

Connection



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