

Inductive sensor

IW-3005-ANKG

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Product characteristics

Electrical design		NPN
Output function		normally open
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		yes

Outputs

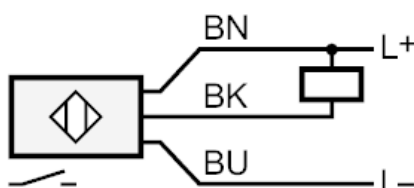
Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC [V]		2.5
Permanent current rating of switching output DC [mA]		250
Switching frequency DC [Hz]		400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



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Detection zone		
Sensing range	[mm]	5
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 / 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	
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	60 x 36 x 10
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours :

BK = black

BN = brown

BU = blue