

Inductive sensor

ID-3050-BNKG/ 6m

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	50
Housing	rectangular
Dimensions [mm]	120 x 80 x 30

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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	8
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	50
Sensing range adjustable	yes



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Factory setting sensing range [mm]	50
Real sensing range S_r [mm]	$50 \pm 10 \%$
Operating distance [mm]	0...40.5

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 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	120 x 80 x 30
Materials	PPE modified

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	screwdriver: 1
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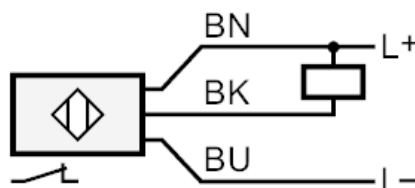
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

BN = brown

BU = blue

BK = black