

ID5014



Inductive sensor

ID-3050-BNOG/20m

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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...30 DC
Current consumption [mA]	7; (24 V)
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]	200
Switching frequency DC [Hz]	30
Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	50
Sensing range adjustable	yes
Factory setting sensing range [mm]	50
Real sensing range Sr [mm]	50 ± 10 %

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Operating distance	[mm]	0...40.5
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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]	-10...50
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
Material		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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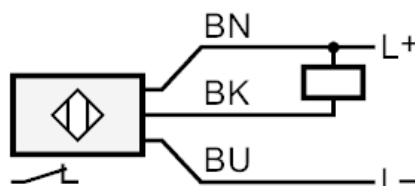
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 20 m, PVC; 3 x 0.5 mm²

Connection



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