



Inductive sensor

IB-3020-BNOG/20m

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 82

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	7; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	40
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	20
Real sensing range S_r [mm]	$20 \pm 10 \%$
Operating distance [mm]	0...16.2

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
--------------------------	----------

IB5017



Inductive sensor

IB-3020-BNOG/20m

Protection	IP 67
------------	-------

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	cylindrical
Mounting	non-flush mountable
Dimensions [mm]	Ø 34 / L = 82
Materials	PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

Items supplied	Mounting clamps: 1
----------------	--------------------

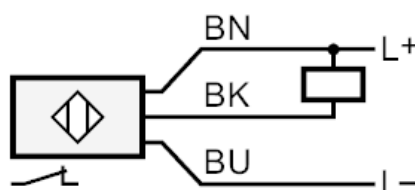
Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Cable: 20 m, PVC; 3 x 0.5 mm²

Connection



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