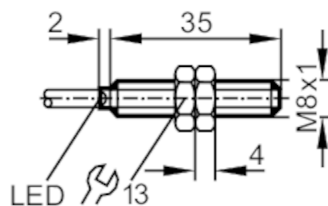


Inductive sensor

IEB3001-BPKG/5M

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 37

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	1
Real sensing range S_r [mm]	$1 \pm 10 \%$
Operating distance [mm]	0...0.8

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / 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
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IE5423



Inductive sensor

IEB3001-BPKG/5M

Protection	IP 65
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Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / - kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011 emission	class B

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 37
Thread designation	M8 x 1
Materials	threaded sleeve: brass white bronze coated; sensing face: PBT; end cap: TPU

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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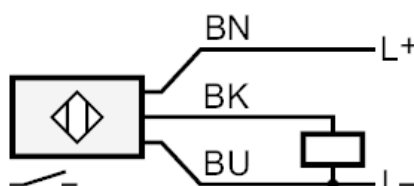
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 5 m, PUR; 3 x 0.14 mm²

Connection



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