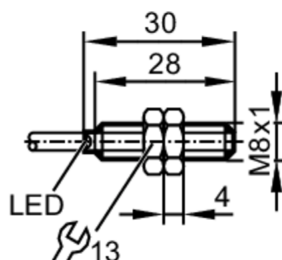


Inductive sensor

IEB3002BBPKG/V4A/ZH

customer-specific



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 30

Electrical data

Operating voltage [V]	10...30 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
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.62

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

IE5453



Inductive sensor

IEB3002BBPKG/V4A/ZH

Operating conditions

Ambient temperature	[°C]	10...85
Protection		IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B

Mechanical data

Weight	[g]	47.6
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 30
Thread designation		M8 x 1
Materials		housing: stainless steel (316L/1.4404); sensing face: LCP
Tightening torque	[Nm]	A = 5 mm: 2 Nm; B: 3 Nm

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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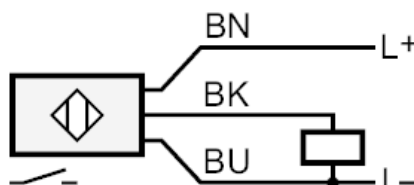
Remarks

Notes	customer-specific
Pack quantity	1 pcs.

Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm²

Connection



	Core colours
BK	black
BN	brown
BU	blue

IE5453



Inductive sensor

IEB3002BBPKG/V4A/ZH

Diagrams and graphs

Installation

