

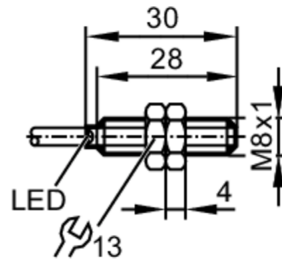
IE5453



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 (1.4404 / 316L); sensing face: LCP
Tightening torque	[Nm]	A = 5 mm: 2 Nm; B: 3 Nm

Displays / operating elements

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

Accessories

Items supplied		lock nuts: 2
----------------	--	--------------

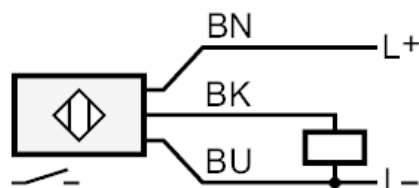
Remarks

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

