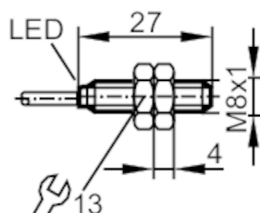


Inductive sensor

IEB3002BBPKG/V4A/8M



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 27

Electrical data

Operating voltage [V]	10...30 DC; (; to PELV)
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 [X01]	1...15
Switch point drift [X01]	-10...10

Operating conditions

Ambient temperature [°C]	-20...70
Protection	IP 67



Inductive sensor

IEB3002BBPKG/V4A/8M

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[ANN]	3408
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	подача напруги	Class 2
	File number UL	E174191

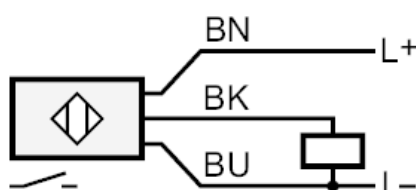
Mechanical data		
Weight	[g]	158.6
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 27
Thread designation		M8 x 1
Materials		stainless steel; sensing face: LCP

Displays / operating elements		
Display	switching status	1 x LED, yellow

Аксессуары		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 8 m, PUR; 3 x 0.14 mm²		
Connection		



Core colours :

BK = black

BN = brown

BU = blue