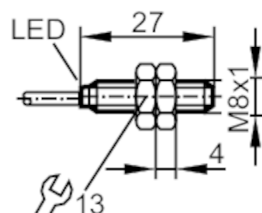


Inductive sensor

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 [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10

Operating conditions

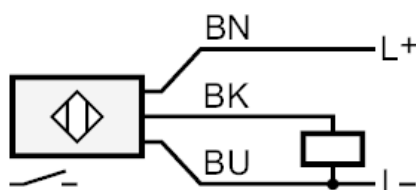
Ambient temperature [°C]	-20...70
Protection	IP 67



Inductive sensor

IEB3002BBPKG/V4A/8M

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]		3408
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	power supply	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
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 8 m, PUR; 3 x 0.14 mm ²		
Connection		



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