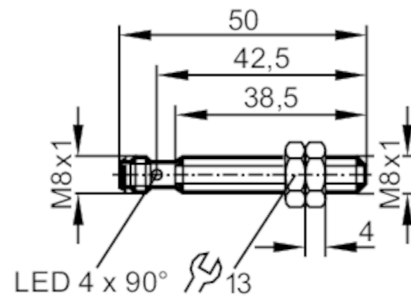


# IE5375



## Inductive sensor

IEB3002BBPKG/SC/AS



### Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
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]	1
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Increased sensing range		yes

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67; (if screwed on)

# IE5375



## Inductive sensor

IEB3002BBPKG/SC/AS

Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	2419
	Ta	-25...80 °C
UL approval	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data		
Weight	[g]	26.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		brass PTFE coated; sensing face: LCP PTFE coated

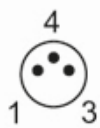
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow

Accessories		
Accessories (supplied)		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

### Electrical connection - plug

Connector: 1 x M8



### Connection

