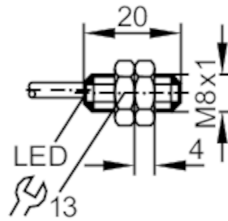


# IE5348



## Inductive sensor

IEB31,5-BPKG/2M PVC



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	1.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 20

### Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10; (24 V)
Reverse polarity protection		yes

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	4000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		no

### Detection zone

Sensing range	[mm]	1.5
Real sensing range $S_r$	[mm]	$1.5 \pm 10\%$
Operating distance	[mm]	0...1.2

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of $S_r$ ]	< 15
Switch point drift	[% of $S_r$ ]	-10...10

### Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

# IE5348



## Inductive sensor

IEB31,5-BPKG/2M PVC

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1045	
UL approval	Ta	0...40 °C
	voltage supply	Class 2
	File number UL	E174191

Mechanical data		
Weight [g]	61	
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M8 x 1 / L = 20	
Thread designation	M8 x 1	
Materials	housing: stainless steel; sensing face: PA 12	

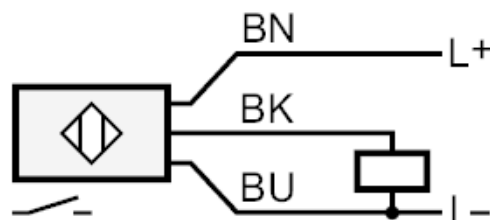
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Accessories (supplied)	lock nuts: 2	

Remarks		
Pack quantity	1 pcs.	

**Electrical connection**  
Cable: 2 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colours :

- BK = black
- BN = brown
- BU = blue