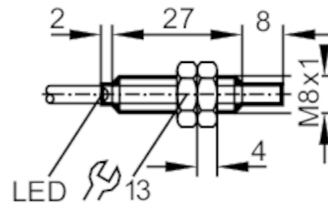


# IE5345



## Inductive sensor

IEBC005-ASKG



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 37
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10; (only in 3-wire operation)
Protection class	III
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.8
Minimum load current [mA]	2; (only in 2-wire operation)
Max. leakage current [mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	700
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	5
Real sensing range $S_r$ [mm]	$5 \pm 10 \%$
Operating distance [mm]	0...4.05
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]	0...60
Protection	IP 67

# IE5345



## Inductive sensor

IEBC005-ASKG

### Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		2988
UL approval		Ta	-25...80 °C
		Enclosure type	Type 1
		voltage supply	Limited Voltage/Current
		File number UL	E174191

### Mechanical data

Weight	[g]	50.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M8 x 1 / L = 37
Thread designation		M8 x 1
Materials		brass white bronze coated; sensing face: LCP

### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Accessories (supplied)	lock nuts: 2
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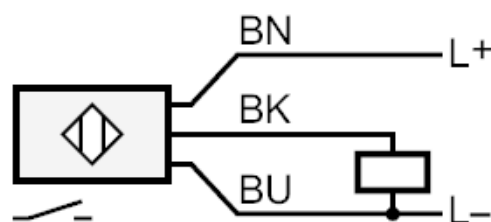
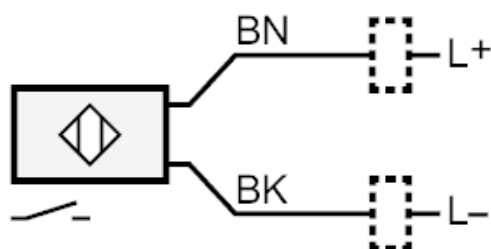
### Remarks

Pack quantity	1 pcs.
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### Electrical connection

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

### Connection



Core colours :

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