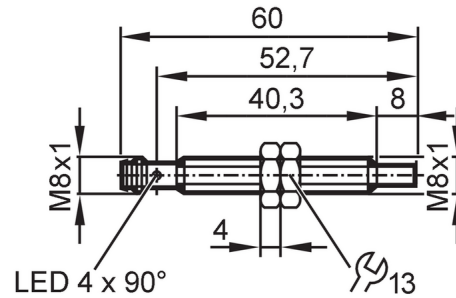


# IE5391



## Inductive sensor

IEK3004-BPKG/V4A/K1/AS



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 60

### Application

Special feature	Gold-plated contacts; Correction factor K = 1; Magnetic-field immune
Magnetic-field immune	yes
Max. magnetic field immunity [mT]	300

### Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 20
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]	1000
Short-circuit protection	yes
Overload protection	yes

### Detection zone

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 1 / brass: 1 / aluminium: 1 / copper: 1
Hysteresis [% of Sr]	1...20
Switch point drift [% of Sr]	-10...10

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## Inductive sensor

IEK3004-BPKG/V4A/K1/AS

Correction factor K = 1	yes
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### Operating conditions

Ambient temperature [°C]	-25...70
Protection	IP 65; IP 67; (with ifm socket duly screwed on)

### Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]	544	
Embedded software included	yes	

### Mechanical data

Weight [g]	20
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 60
Thread designation	M8 x 1
Materials	housing: stainless steel (316L/1.4404); sensing face: LCP; lock nuts: brass

### Displays / operating elements

Display	switching status	4 x 90° LED, yellow
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### Accessories

Items supplied	lock nuts: 2
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection - plug

Connector: 1 x M8; coding: A; Locking: snap-fit ; Contacts: gold-plated



### Connection

