

# IF5832



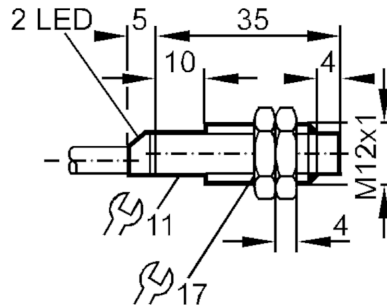
## Inductive sensor

IFB2007-AROG/UP/2LED/3M/PH

Article no longer available - archive entry

Alternative articles: IFS712

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	7
Housing		threaded type
Dimensions	[mm]	M12 x 1

### Application

Special feature		Increased sensing range; Optical setting aid
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### Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		no

### Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	110
Short-circuit protection		no
Overload protection		no

### Detection zone

Sensing range	[mm]	7
Real sensing range $S_r$	[mm]	$7 \pm 10 \%$
Operating distance	[mm]	0...5.7

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Increased sensing range	yes
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### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]		3...15
Switch point drift [% of Sr]		-10...10

### Operating conditions

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

### Tests / approvals

EMC	EN 60947-5-2
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### Mechanical data

Weight [g]	108
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Materials	brass white bronze coated; PBT

### Displays / operating elements

Display	switching status	1 x LED, red
	setting aid	1 x LED, green
Optical setting aid	yes	

### Accessories

Items supplied	lock nuts: 2
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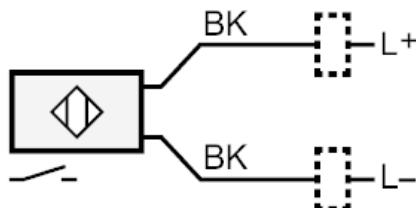
### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Cable: 3 m, PUR; 2 x 0.34 mm<sup>2</sup>

### Connection



BK = Core colours :  
black