

Inductive sensor

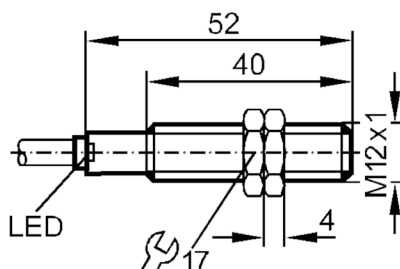
IFK3004BBPKG

RT

Article no longer available - archive entry

Alternative articles: IFC204

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1

Application

Special feature	Increased sensing range
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
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]	200
Switching frequency DC [Hz]	400
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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

IF5912



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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: 0.3 / copper: 0.2	
Hysteresis [% of Sr]		1...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	
	EN 55011	class B

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Materials	brass white bronze coated; PC

Displays / operating elements

Display	switching status	1 x LED, red
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Accessories

Items supplied	lock nuts: 2
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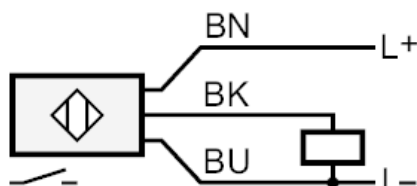
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue