

IF5537



Inductive sensor

IF-3002-BPKG/PPU

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Alternative articles: IF5583

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]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 71

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	5; (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]	250
Switching frequency DC [Hz]	400
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15

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Switch-point drift	[% of Sr]	-10...10
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Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 71
Thread designation		M12 x 1
Material		PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied		lock nuts: 2
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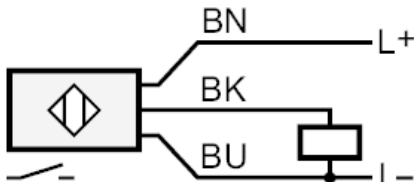
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.34 mm²

Connection



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