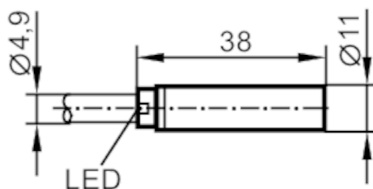


IF6023



Inductive sensor

IFG3007-BPKG/5M



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	7
Housing	tubular
Dimensions [mm]	Ø 11 / L = 38

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
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]	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]	7
Real sensing range Sr [mm]	7 ± 10 %
Operating distance [mm]	0...5.7

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2
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IF6023



Inductive sensor

IFG3007-BPKG/5M

MTTF	[years]	2744
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data

Weight	[g]	198.5
Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 11 / L = 38
Material		PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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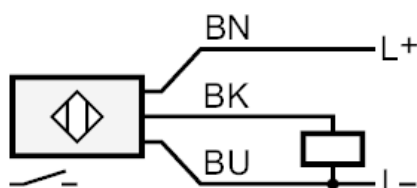
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 5 m, PVC; 3 x 0.34 mm²

Connection



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