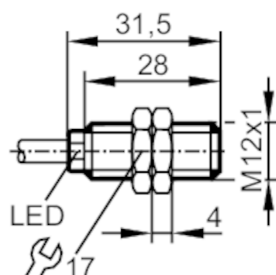


Inductive sensor

IFB3002-BPKG/V4A/0,8M ZH/FLST

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 31.5

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1200
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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

Accuracy / deviations

Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10

IF6039



Inductive sensor

IFB3002-BPKG/V4A/0,8M ZH/FLST

Operating conditions

Ambient temperature	[°C]	-20...70
Protection		IP 67

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 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011 emission	class B

Mechanical data

Housing	threaded type
Mounting	flush mountable
Dimensions	[mm] M12 x 1 / L = 31.5
Thread designation	M12 x 1
Materials	stainless steel; sensing face: PBT; lock nuts: stainless steel

Displays / operating elements

Display	switching status	1 x LED, yellow
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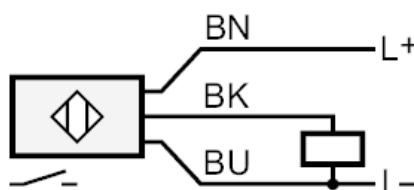
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.8 m, PUR; 3 x 0.34 mm²

Connection



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

Connector: 1 x flat-pin connector (4.8 x 0.5 mm)