



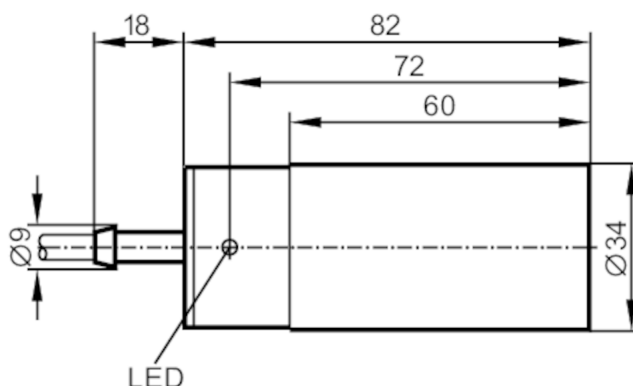
Inductive sensor

IB-3020-APKG/55V

Article no longer available - archive entry

Alternative articles: IB5142

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



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 82

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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	60
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	20
Real sensing range Sr [mm]	20 ± 10 %
Operating distance [mm]	0...16.2

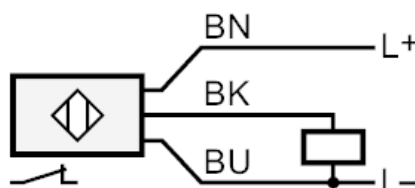
IB5147



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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...80
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		cylindrical	
Mounting		non-flush mountable	
Dimensions	[mm]	Ø 34 / L = 82	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		Mounting clamps: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 2 m, PVC; 3 x 0.5 mm²			
Connection			



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