

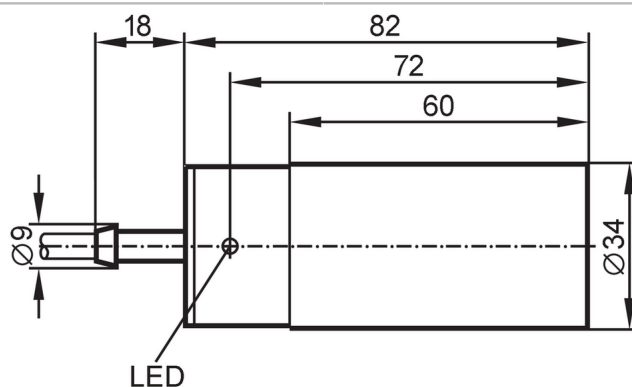
IB5163



Inductive sensor

IB-3027SFPKG

RT



Product characteristics

Electrical design	PNP
Output function	normally open / closed; (selectable)
Sensing range [mm]	27
Housing	tubular
Dimensions [mm]	Ø 34 / L = 82

Application

Application	Industrial applications
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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 / closed; (selectable)
Max. voltage drop switching output DC [V]	3
Permanent current rating of switching output DC [mA]	250
Short-time current rating of switching output [mA]	400
Switching frequency DC [Hz]	20
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	27
Real sensing range Sr [mm]	27 ± 10 %
Operating distance [mm]	0...21.87

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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]	-30...50
Protection			IP 67
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF		[years]	1194
Mechanical data			
Weight		[g]	257.5
Housing			tubular
Mounting			non-flush mountable
Dimensions		[mm]	Ø 34 / L = 82
Material			housing: PBT
Displays / operating elements			
Display		Switching status	1 x LED, red
Accessories			
Items supplied		Mounting clamp: 1	
Remarks			
Remarks		Reprogramming allows the output of the switch to be monitored in the monitor mode.	
		Note:	
		The switch holds no approval as a fail-safe switch.	
Pack quantity		1 pcs.	

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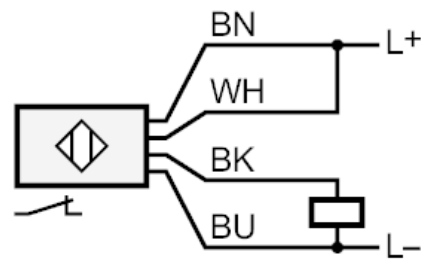
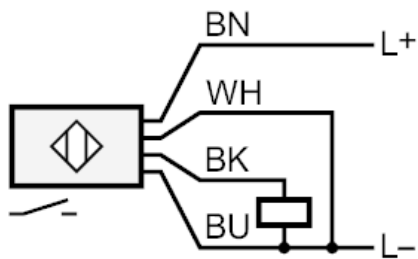
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



BK =
BN =
BU =
WH =

Core colors :
black
brown
blue
white