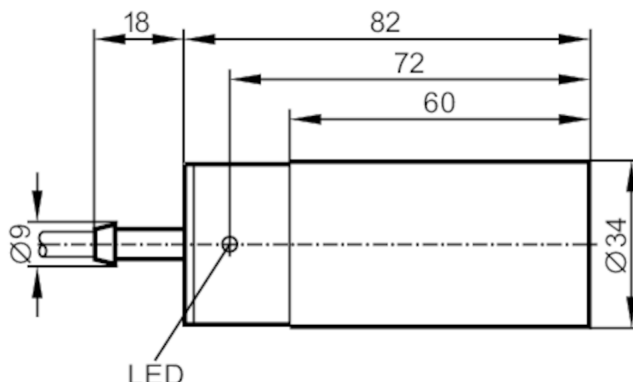




Inductive sensor

IB-3027SFPKG/6"/US100



Product characteristics

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

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 / normally 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	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	27
Real sensing range S_r [mm]	$27 \pm 10 \%$
Operating distance [mm]	0...21.87

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
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IB8504



Inductive sensor

IB-3027SFPKG/6"/US100

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]	189
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 82
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied		Mounting clamps: 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.

Inductive sensor

IB-3027SFPKG/6"/US100

Electrical connection - plug

Cable: 0.152 m, PVC; 3 x 0.5 mm²

Connector: 1 x M12; coding: A

