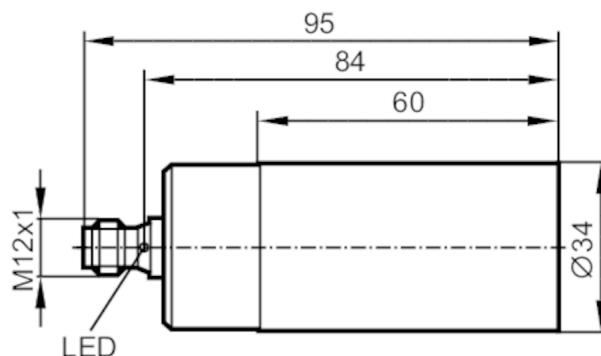


IB5125



Inductive sensor

IB-3030-BPKG/US-104-DPS



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	30
Housing	tubular
Dimensions [mm]	Ø 34 / L = 95

Application

System	gold-plated contacts
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Electrical data

Operating voltage [V]	10...36 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
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	350
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	30
Real sensing range Sr [mm]	30 ± 10 %
Operating distance [mm]	0...24.3

IB5125



Inductive sensor

IB-3030-BPKG/US-104-DPS

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...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	class B
	EN 55011	
MTTF	[years]	1789
Mechanical data		
Weight	[g]	246.5
Housing	tubular	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 34 / L = 95
Material	housing: PBT; sensing face: PBT orange; clamp: PBT black	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	Mounting clamp: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; coding: A; Locking: brass, white bronze coated; Contacts: gold-plated		
		

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Inductive sensor

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Connection

