

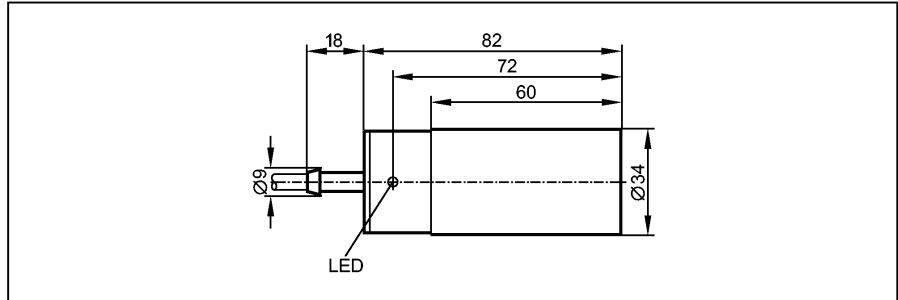


Inductive sensors

IB5076

IB-3020-BNKG
Inductive sensor
Plastic housing Ø 34 mm
Cable

Sensing range 20 mm [nf]
non-flush mountable



Made in Germany

Electrical design	
Output	
Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Accessories (included)	

DC NPN	
normally closed	
Operating voltage	10...36 DC
Current rating	250
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 15 (24 V)
Real sensing range	20 ± 10 %
Operating distance	0...16.2
Switch-point drift	-10...10
Hysteresis	1...15
Switching frequency	60
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Ambient temperature	-25...80
Protection	IP 67, II
EMC	EN 60947-5-2 EN 55011: class B
Housing materials	PBT
Function display	
Switching status	yellow
Connection	PVC cable / 2 m; 3 x 0.5 mm ²
Weight	0.258
Accessories (included)	Mounting clamp

Wiring

Core colours
BN brown
BU blue
BK black

