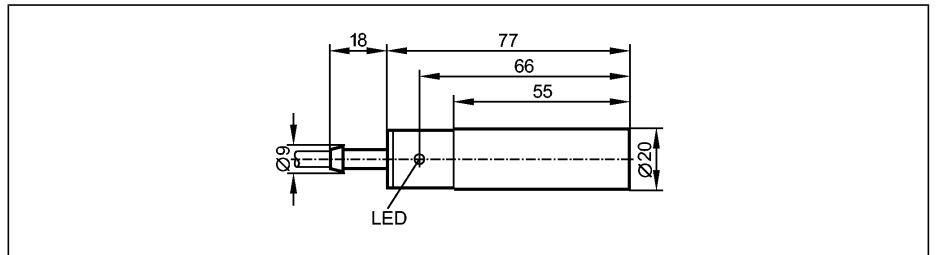


Inductive sensors

**IA5082**

IA-3010-BPKG  
Inductive sensor  
Plastic housing Ø 20 mm  
Cable

Sensing range 10 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	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range (Sr)	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
MTTF	[Years]
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Accessories (included)	

**DC PNP  
normally open**

Operating voltage	10...36 DC
Current rating	250
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 15 (24 V)
Real sensing range (Sr)	10 ± 10 %
Operating distance	0...8.1
Switch-point drift	-10...10
Hysteresis	1...15
Switching frequency	300
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
MTTF	1853
Housing materials	PBT
Function display	
Switching status	yellow
Connection	PVC cable / 2 m; 3 x 0.5 mm <sup>2</sup>
Weight	0.174
Accessories (included)	Mounting clamp

**Wiring**

Core colours

- BN brown
- BU blue
- BK black

