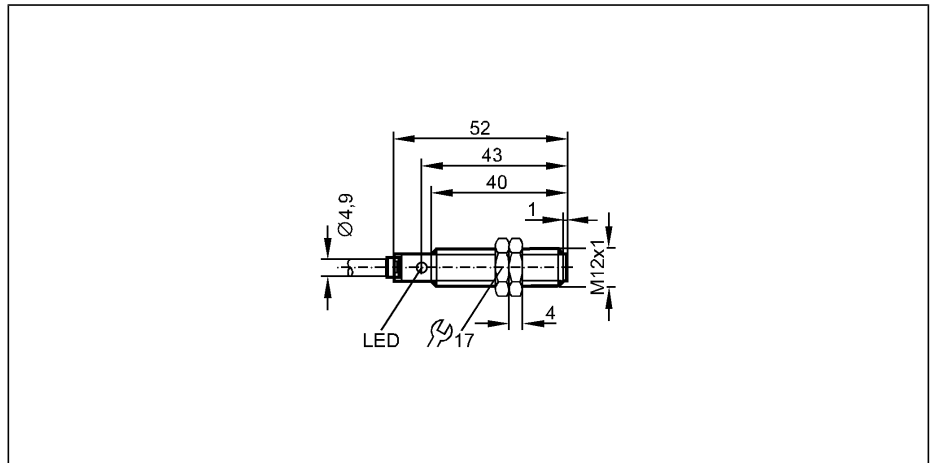


Inductive sensors

IF5837

IFK3003BBPKG/V4A
Inductive sensor
Metal thread M12 x 1
Cable

Sensing range 3 mm [f]
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)	3 ± 10 %
Operating distance	0...2.4
Switch-point drift	-10...10
Hysteresis	3...15
Switching frequency	400
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Ambient temperature	-25...80
Protection	IP 67, III
EMC	EN 60947-5-2 EN 55011: class B
MTTF	1874
Housing materials	stainless steel 316Ti / 1.4571; PBT (Pocan)
Function display	yellow
Connection	PVC cable / 2 m; 3 x 0.34 mm ²
Weight	0.114
Accessories (included)	2 lock nuts

Wiring

Core colours

- BK black
- BN brown
- BU blue

