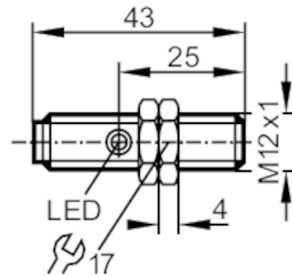


# IF5541



## Inductive sensor

IFB3002-ANKG/US-100-DNS



Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	NPN
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]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	2
Real sensing range $S_r$ [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of $S_r$ ]	1...15
Switch point drift [% of $S_r$ ]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011
MTTF [years]	2439
	class B

# IF5541



## Inductive sensor

IFB3002-ANKG/US-100-DNS

Mechanical data	
Weight [g]	26.2
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 43
Thread designation	M12 x 1
Materials	brass white bronze coated; PC

Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

### Electrical connection - plug

Connector: 1 x M12



### Connection

