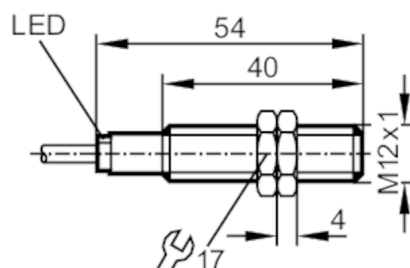


Inductive sensor

IFK3002-BPKG/IE-KAB



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 54

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (36 V)
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]	1200
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: 0.5 / aluminium: 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

IF5959



Inductive sensor

IFK3002-BPKG/IE-KAB

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1865

Mechanical data	
Weight	[g] 59.3
Housing	threaded type
Mounting	flush mountable
Dimensions	[mm] M12 x 1 / L = 54
Thread designation	M12 x 1
Materials	brass white bronze coated; PC

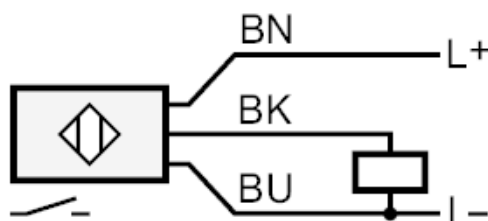
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 2 m, PVC; 3 x 0.14 mm ²	

Connection



Core colours	
BK	black
BN	brown
BU	blue