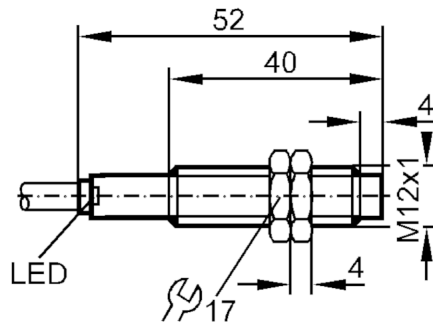


IF5933



Inductive sensor

IFK3007-BPKG/6M/BH



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 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]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	7
Real sensing range Sr	[mm]	7 ± 10 %
Operating distance	[mm]	0...5.7
Increased sensing range		yes

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...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	1865

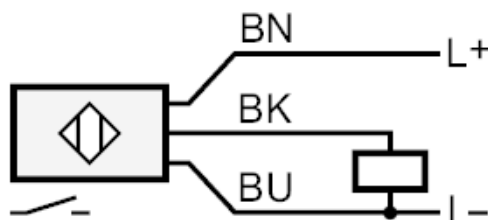
IF5933



Inductive sensor

IFK3007-BPKG/6M/BH

Mechanical data		
Weight	[g]	228.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PC
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PUR, Halogen-free; 3 x 0.34 mm ²		
Connection		



Core colours :

BK = black
BN = brown
BU = blue