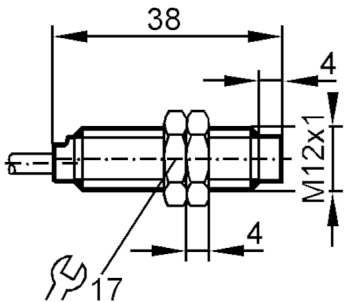


IF6024



Inductive sensor

IFB35,5-APKG/O.LED



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	5.5
Housing	threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	800
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

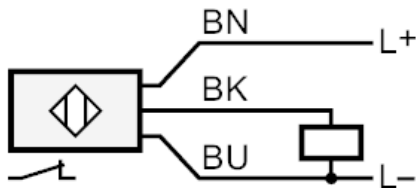
IF6024



Inductive sensor

IFB35,5-APKG/O.LED

Detection zone		
Sensing range	[mm]	5.5
Real sensing range Sr	[mm]	5.5 ± 10 %
Operating distance	[mm]	0...4.45
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	10...50
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	3069
Mechanical data		
Weight	[g]	58.2
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass white bronze coated; PBT
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours	
BN	brown
BK	black
BU	blue