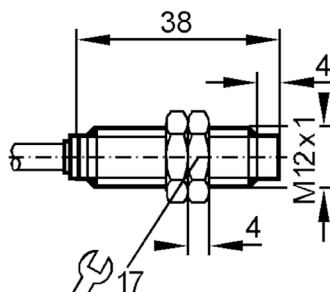


Inductive sensor

IFB35,5-BPKG/2M/PVC

Article no longer available - archive entry



Product characteristics

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

Electrical data

Operating voltage [V]	10...36 DC
Protection class	I
Reverse polarity protection	yes

Outputs

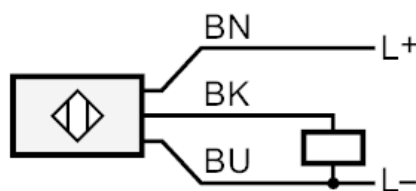
Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Minimum load current [mA]	4
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	800
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Inductive sensor

IFB35,5-BPKG/2M/PVC

Detection zone		
Sensing range	[mm]	5.5
Real sensing range Sr	[mm]	5.5 ± 10 %
Operating distance	[mm]	0...4.5
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]	10...50
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; cover: PC
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



BK = Core colours :
 BK = black
 BN = brown
 BU = blue