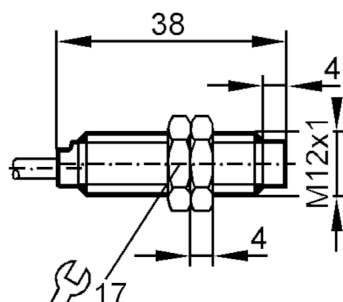


IF5913



Inductive sensor

IFB35,5-BPKG/0,185M/AS-610-TPS



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
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]	150
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5.5
Real sensing range S_r	[mm]	$5.5 \pm 10 \%$
Operating distance	[mm]	0...4.45

IF5913



Inductive sensor

IFB35,5-BPKG/0,185M/AS-610-TPS

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
MTTF	[years]	2531
Mechanical data		
Weight	[g]	27.8
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Materials	brass white bronze coated; PBT	
Electrical connection		
Connection	plug	
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.185 m, PUR; highly flexible; 3 x 0.14 mm²		
Connector: 1 x M8		
		

IF5913



Inductive sensor

IFB35,5-BPKG/0,185M/AS-610-TPS

Connection

