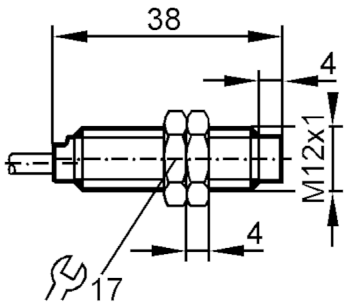


IF5913



Inductive sensor

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



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
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

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Inductive sensor

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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]	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]	29.3
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 - plug		
Cable: 0.185 m, PUR; highly flexible; 3 x 0.14 mm ²		
Connector: 1 x M8; coding: A		

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Connection

