

Inductive sensor

IFA3002-APOG/10m

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	7; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	700
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6

IF5055



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Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]	3...15
Switch point drift [% of Sr]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Materials	brass nickel-plated; PBT
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 10 m, PVC; 3 x 0.34 mm ²	
Connection	



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