

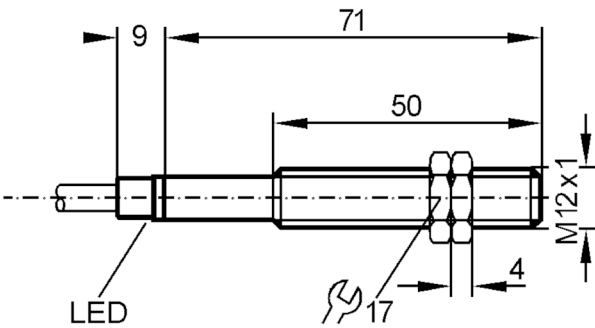
IF4005



Inductive sensor

IFA2002-AROA/6M/PUR

Article no longer available - archive entry



Product characteristics		
Output function		normally open
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...140 AC/DC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open
Max. voltage drop switching output DC	[V]	7.5
Max. voltage drop switching output AC	[V]	8
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	200
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	1500; (20 ms / 0,5 Hz)

IF4005



Inductive sensor

IFA2002-AROA/6M/PUR

Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	250
Short-circuit protection		no
Overload protection		no
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Material		brass nickel-plated; PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IF4005



Inductive sensor

IFA2002-AROA/6M/PUR

Electrical connection

Cable: 6 m, PUR; 2 x 0.5 mm²

Connection



BN = Core colors :
brown
BU = blue