



Inductive sensor

IF-2004-ABOW/PPU

Article no longer available - archive entry

Alternative articles: IF0003

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Output function		normally open
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 71.5

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	3 (250 V AC) / 1.5 (120 V AC)
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15

IF0264



Inductive sensor

IF-2004-ABOW/PPU

Switch point drift	[X01]	-10...10
--------------------	-------	----------

Operating conditions

Ambient temperature	[°C]	-25...80
---------------------	------	----------

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 / L = 71.5
------------	------	--------------------

Thread designation	M12 x 1
--------------------	---------

Materials	PBT
-----------	-----

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Аксессуары

Items supplied	lock nuts: 2
----------------	--------------

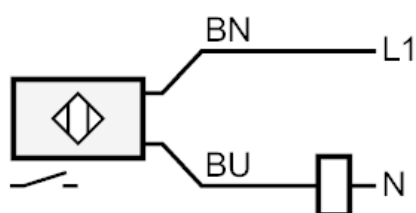
Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Cable: 2 m, PUR / PVC; 2 x 0.5 mm²

Connection



BN = Core colours :
brown
BU = blue