

IF5163



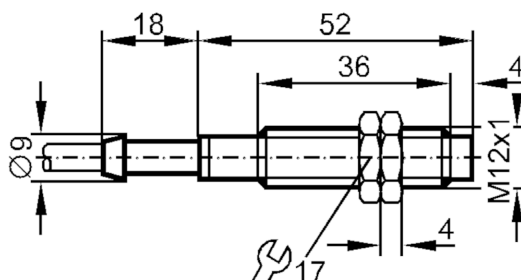
Inductive sensor

IFK3002-ANOG/O.LED

Article no longer available - archive entry

Alternative articles: IF5505

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



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	700
Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.62

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15

IF5163



Inductive sensor

IFK3002-ANOG/O.LED

Switch-point drift	[% of Sr]	-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	flush mountable
----------	-----------------

Dimensions	[mm]	M12 x 1
------------	------	---------

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

Material	brass nickel-plated; PBT
----------	--------------------------

Accessories

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

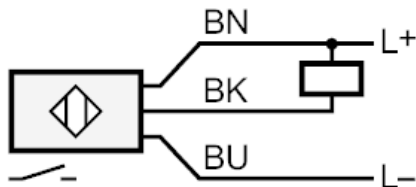
Remarks

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

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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