

Inductive sensor

IE-3001-ANOG/10m

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 50

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	III
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	1
Real sensing range S_r [mm]	$1 \pm 10 \%$
Operating distance [mm]	0...0.8

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

IE5164



Inductive sensor

IE-3001-ANOG/10m

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	2673

Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 50
Thread designation		M8 x 1
Materials		PBT

Displays / operating elements

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

Accessories

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

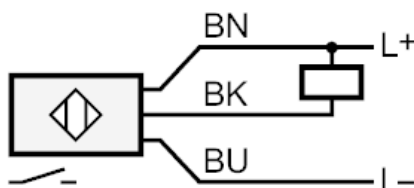
Remarks

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

Electrical connection

Cable: 10 m, PVC; 3 x 0.14 mm²

Connection



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