



Inductive sensor

I1A3015-APKG



Product characteristics		
Electrical design		PNP
Output function		normally closed
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 81
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15



Inductive sensor

IIA3015-APKG

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

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[ANN]	1844

Mechanical data

Weight	[g]	248
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		brass nickel-plated; PBT

Displays / operating elements

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

Аксессуары

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

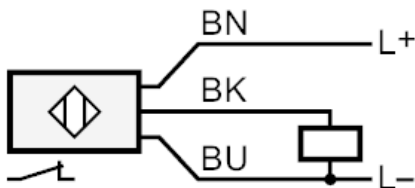
Remarks

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

Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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