

Inductive sensor

II-3010-BNKG/ 6m

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	10
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	NPN
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]	10
Real sensing range S_r [mm]	$10 \pm 10 \%$
Operating distance [mm]	0...8.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
-------------------	---



Inductive sensor

II-3010-BNKG/ 6m

Hysteresis	[% of Sr]	1...15
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]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
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: 6 m, PVC; 3 x 0.5 mm²

Connection



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