

Inductive sensor

IGA4005-CPKG

Article no longer available - archive entry

Alternative articles: IG5539

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



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	5
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 80

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	complementary
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	700
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

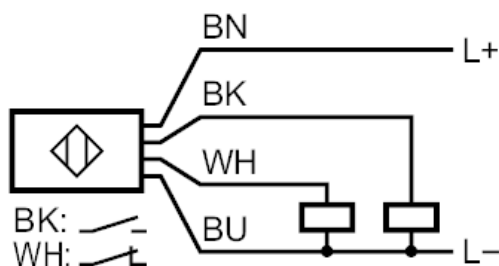
Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05



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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[X01]	1...15
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	flush mountable	
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation	M18 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, PVC; 4 x 0.34 mm²		
Connection		



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