

IG5614



Inductive sensor

IGA2005-FRKG/V4A/6M/PH



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	5
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 80

Electrical data

Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	700
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

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

Accuracy / deviations

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

Operating conditions

Ambient temperature	[°C]	-25...80
---------------------	------	----------

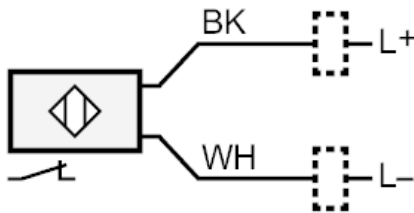
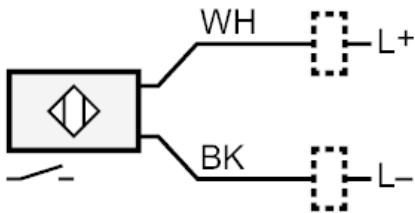
IG5614



Inductive sensor

IGA2005-FRKG/V4A/6M/PH

Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	1835	
Mechanical data			
Weight	[g]	319.5	
Housing		Threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M18 x 1 / L = 80	
Thread designation		M18 x 1	
Material		stainless steel (1.4571/316Ti); PC	
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, PUR / PVC; highly flexible; 2 x 0.5 mm²			
Connection			



BK = Core colors :
 black
WH = white