

Inductive sensor

IG-2005-FRKG/6M/PH

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally 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

Electrical design	PNP/NPN
Output function	normally open / normally 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	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	5
Real sensing range S_r [mm]	$5 \pm 10 \%$
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [X01]	1...15

IG5613



Inductive sensor

IG-2005-FRKG/6M/PH

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]	1835

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
----------------	--	--------------

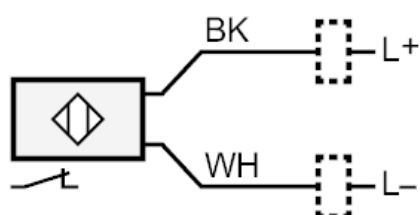
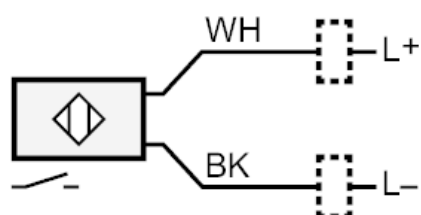
Remarks

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

Electrical connection

Cable: 6 m, PUR / PVC; 2 x 0.5 mm²

Connection



Core colours :
 BK = black
 WH = white