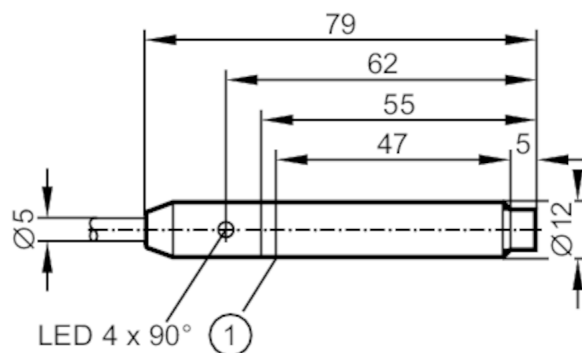


Inductive sensor

IFGC007-ASKG/M/V4A/6M/WH

Article no longer available - archive entry



1 locating groove



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	7
Housing	cylindrical
Dimensions [mm]	Ø 12 / L = 79

Application

Special feature	Increased sensing range; Optical setting aid
Application	Use in wet areas and in the food and beverage industry

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	12; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.8
Minimum load current [mA]	2; (only in 2-wire operation)
Max. leakage current [mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	700
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	7
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Real sensing range S_r	[mm]	$7 \pm 10 \%$
Operating distance	[mm]	0...5.7
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	3...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	0...100
Protection		IP 68; IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B

Mechanical data

Weight	[g]	247.8
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	$\varnothing 12$ / $L = 79$
Materials		stainless steel (316L/1.4404); sensing face: PEEK

Displays / operating elements

Display	switching status	1 x LED, yellow
	setting aid	1 x LED, red
Optical setting aid		yes

Remarks

Remarks	suitable for PLC type 1 according to IEC 61131-2
Pack quantity	1 pcs.

Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm²

Connection

