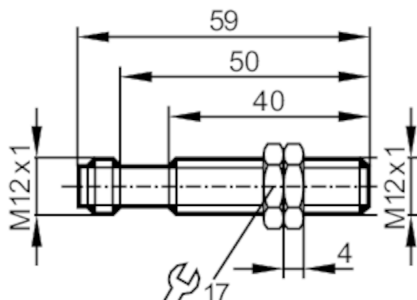


IF5514



Inductive sensor

IFK3002-BPOG/V4A/US-100/OLED



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (36 V)
Protection class		II
Reverse polarity protection		no

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	200
Short-time current rating of switching output	[mA]	200
Switching frequency DC	[Hz]	1100
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
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
MTTF	[years]	2897

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Mechanical data		
Weight	[g]	29.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 59
Thread designation		M12 x 1
Materials		stainless steel (1.4571/316Ti); sensing face: PBT

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



Connection

