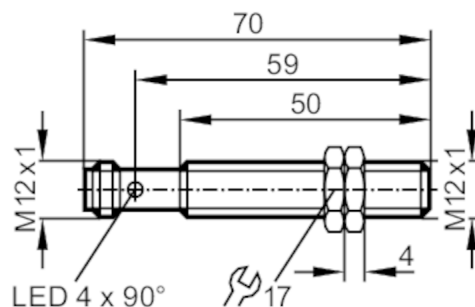


IFT216



Inductive sensor

IFK3004BBPKG/M/V4A/US-104-DPS



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
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]	4
Operating distance	[mm]	0...3.25
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4
Hysteresis	[% of Sr]	1...15

Operating conditions

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

IFT216



Inductive sensor

IFK3004BBPKG/M/V4A/US-104-DPS

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 61000-4-5 Surge		0,5 kV
	EN 61000-4-6 HF conducted		10 V
	EN 55011		class B
MTTF	[years]	1628	
UL approval	Ta		0...40 °C
	Enclosure type		Type 1
	voltage supply		Limited Voltage/Current
	File number UL		E174191

Mechanical data

Weight	[g]	30.4
Housing	threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M12 x 1 / L = 70
Thread designation	M12 x 1	
Materials	stainless steel (1.4404 / 316L); sensing face: PEEK	

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
---------	------------------	---------------------

Accessories

Accessories (supplied)	lock nuts: 2
------------------------	--------------

Remarks

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

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



IFT216



Inductive sensor

IFK3004BBPKG/M/V4A/US-104-DPS

Connection

