



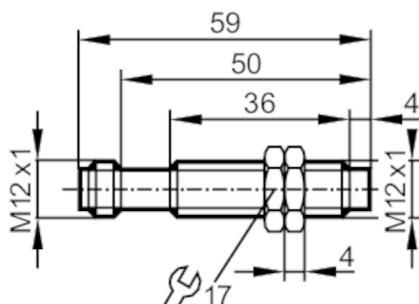
Inductive sensor

IFK3004-BPKG/US-100-DPS RT

Article no longer available - archive entry

Alternative articles: IF5712

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 59

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	10; (24 V)
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]	250
Switching frequency DC [Hz]	1400
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	4
Real sensing range S_r [mm]	$4 \pm 10\%$
Operating distance [mm]	0...3.25

IF5947



Inductive sensor

IFK3004-BPKG/US-100-DPS RT

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.9 / brass: 0.8 / aluminium: 0.5 / copper: 0.4	
Hysteresis [% of Sr]		3...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

Mechanical data

Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1 / L = 59
Thread designation	M12 x 1
Materials	housing: brass white bronze coated; sensing face: PC; LED window: PA; lock nuts: brass white bronze coated

Displays / operating elements

Display	switching status	1 x LED, red
---------	------------------	--------------

Accessories

Items supplied	lock nuts: 2
----------------	--------------

Remarks

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

Electrical connection - plug

Connector: 1 x M12; coding: A; Moulded body: PA



IF5947



Inductive sensor

IFK3004-BPKG/US-100-DPS RT

Connection

