

IF5996



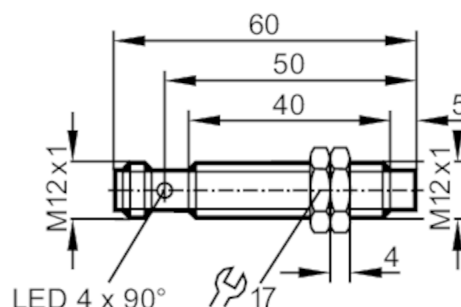
Inductive sensor

IFK3004UBPKG/K1/SC/US-104-DPS

Article no longer available - archive entry

Alternative articles: IFW201

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 = 60

Application

System	correction factor = 1; Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	3
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	200
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	4
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Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminum: 1.1 / copper: 1.1
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Correction factor = 1		yes

Operating conditions		
Ambient temperature	[°C]	-25...70
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 = 60
Thread designation		M12 x 1
Material		brass PTFE coated; sensing face: PPS PTFE coated

Displays / operating elements		
Display	Switching status	1 x LED, yellow

Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



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Connection

