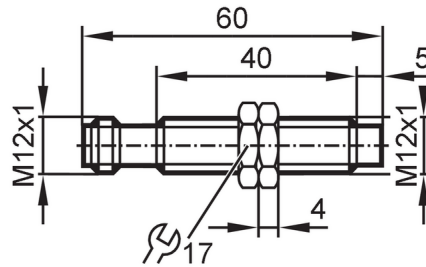


# IF5493



## Inductive sensor

IFK3004-BPKG/US-100



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 60

### Application

Special feature	gold-plated contacts
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### Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
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
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Overload protection	yes

### Monitoring range

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 10 %
Operating distance [mm]	0...3.24

### Accuracy / deviations

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

### Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

# IF5493



## Inductive sensor

IFK3004-BPKG/US-100

Tests / approvals	
EMC	EN 60947-5-2 EN 55011 class B
MTTF [years]	1349
Embedded software included	no
Mechanical data	
Weight [g]	27.3
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1 / L = 60
Thread designation	M12 x 1
Material	housing: brass white bronze coated; sensing face: PBT orange; lock nuts: brass white bronze coated
Accessories	
Items supplied	lock nuts: 2
Remarks	
Pack quantity	1 pcs.

### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 3, gold-plated



### Connection

