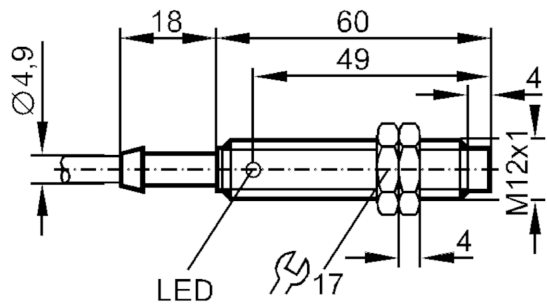


IF5704



Inductive sensor

IFK3004ZBPKG/BH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 78

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	12; (24 V)
Protection class	III
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]	50; (100 (...50 °C))
Short-time current rating of switching output [mA]	100
Switching frequency DC [Hz]	1300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

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Monitoring range		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
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...100
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1581
Mechanical data		
Weight	[g]	88.7
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 78
Thread designation		M12 x 1
Material		housing: brass white bronze coated; sensing face: PC
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Inductive sensor

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Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.34 mm²

Connection



	Core colors :
BK =	black
BN =	brown
BU =	blue