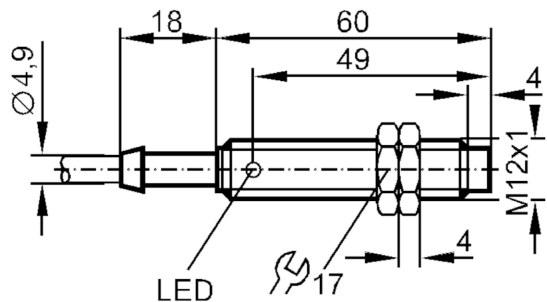


IF5704



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
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		pulsed
Overload protection		yes

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Detection zone		
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 / aluminium: 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
Thread designation		M12 x 1
Materials		brass white bronze coated; 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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Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.34 mm²

Connection



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