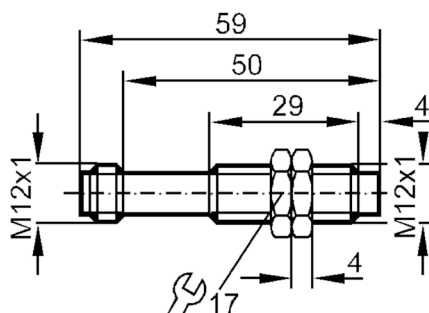




Inductive sensor

IFK3004-BPOG/HS-400-HPX

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Product characteristics

Electrical design		PNP
Sensing range	[mm]	4
Housing		Threaded type
Dimensions	[mm]	M12 x 1

Electrical data

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

Outputs

Electrical design		PNP
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		no
Overload protection		no

Monitoring range

Sensing range	[mm]	4
Sensing range adjustable		no
Real sensing range S_r	[mm]	$4 \pm 10 \%$
Operating distance	[mm]	0...3.25

IF5022



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...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
Thread designation	M12 x 1	
Material	brass nickel-plated; PBT	
Accessories		
Items supplied	lock nuts: 2	
Electrical connection		
Connection		

