

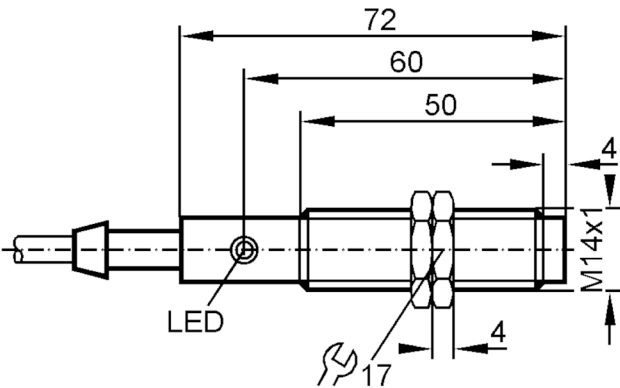
IP5004



Inductive sensor

IPA2004-FRKG

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Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M14 x 1
Electrical data	
Operating voltage [V]	10...55 DC
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Max. leakage current [mA]	4
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	1500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

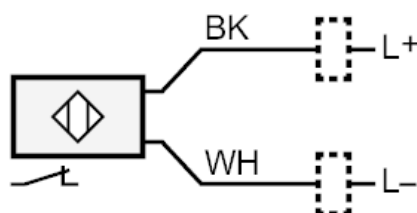
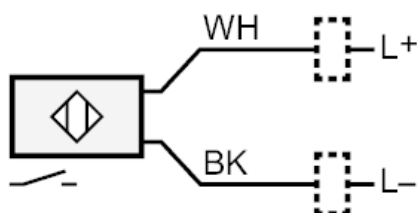
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Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	$4 \pm 10\%$
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	3...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]	M14 x 1
Thread designation		M14 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; highly flexible; 2 x 0.34 mm ²		
Connection		



Core colours :
BK = black
WH = white