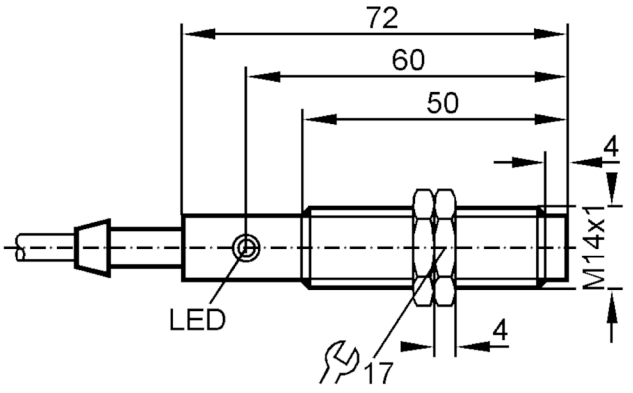
IP5005

Inductive sensor

IPA2004-FRKG/ 3mPUR

Article no longer available - archive entry



CE

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

IP5005

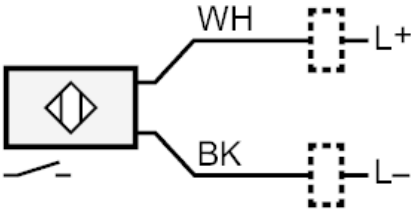
Inductive sensor

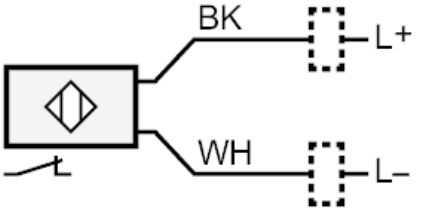
IPA2004-FRKG/ 3mPUR

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: 0.4 / 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: 3 m, PUR; highly flexible; 2 x 0.34 mm²

Connection





Core colours :
BK = black
WH = white