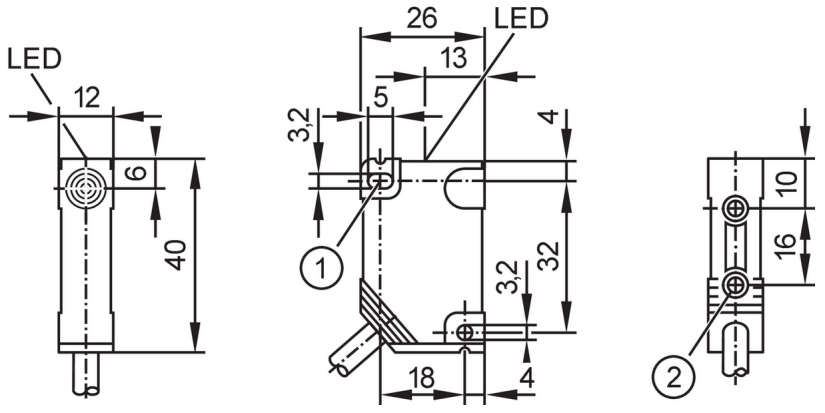
IN5121

Inductive sensor

IN-3002-BPKG



1 fixing hole
2 threaded bush M3 Depth 5.8 mm

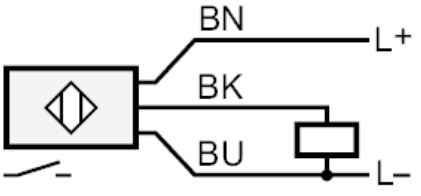
Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15

IN5121

Inductive sensor

IN-3002-BPKG

Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	2577	
Mechanical data			
Weight	[g]	113.1	
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		housing: PBT	
Fixing hole			
Tightening torque	[Nm]	< 0.5	
Threaded bush			
Tightening torque	[Nm]	< 1.2; (when brass insert in contact with counterpart)	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Cable: 2 m, PVC; 3 x 0.5 mm²			
Connection			



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