IN5209

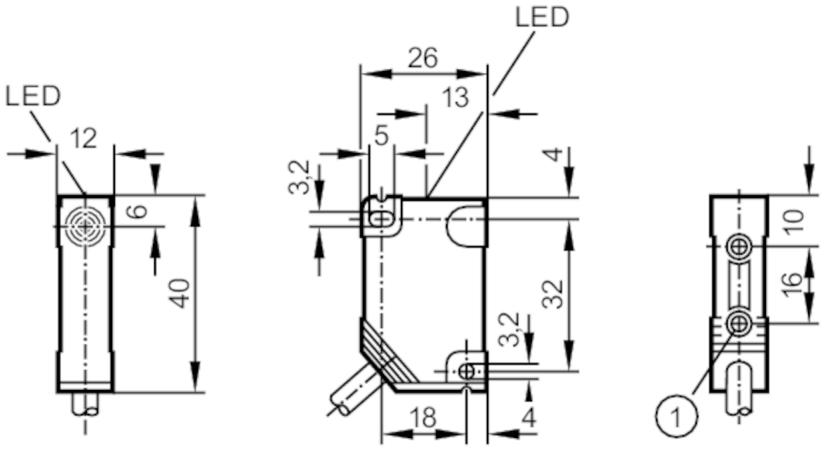
Inductive sensor

IN-3002-ANKG/ 6mPPU

Article no longer available - archive entry

Alternative articles: IN5205

When selecting an alternative article and accessories please note that technical data may differ!



1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart

CE

Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	15; (24 V)
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
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

IN5209

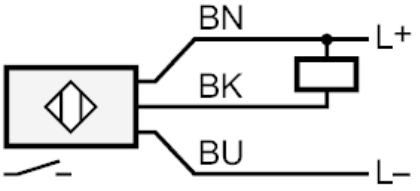
Inductive sensor

IN-3002-ANKG/ 6mPPU

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: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 6 m, PVC; highly flexible; 3 x 0.5 mm²

Connection



	Core colours
BN	brown
BK	black
BU	blue