IN5205

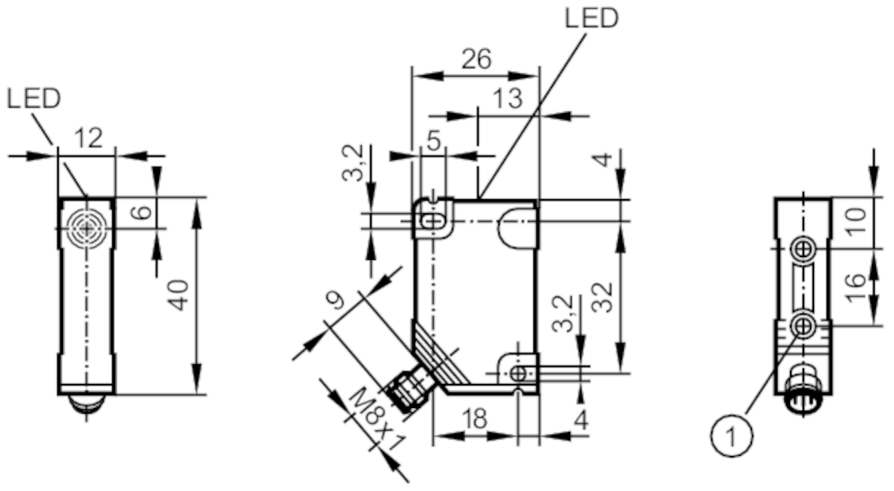
Inductive sensor

IN-3002-ANKG/AS-600-T

Article no longer available - archive entry

Alternative articles: IN5269

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...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
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

IN5205

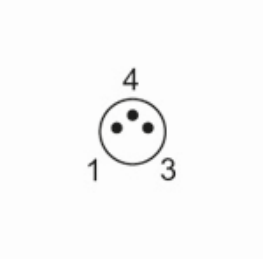
Inductive sensor

IN-3002-ANKG/AS-600-T

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]	-20...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		rectangular	
Mounting		flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		housing: PBT; sensing face: PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Remarks			
Remarks		IP 67 if screwed on	
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M8; coding: A; Locking: brass, white bronze coated



IN5205

Inductive sensor

IN-3002-ANKG/AS-600-T

Connection

