

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 mounting hole
2 threaded bush M3 Depth 5.8 mm



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
Detection zone		
Sensing range	[mm]	2

IN5209



Inductive sensor

IN-3002-ANKG/ 6mPPU

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

Mounting 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
---------	------------------	-----------------

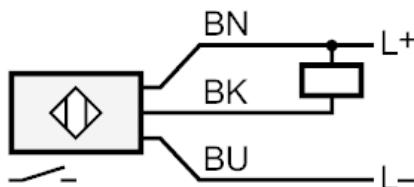
Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

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

Connection



	Core colours
BN	brown
BK	black
BU	blue