## KI5201

### **Capacitive sensor**

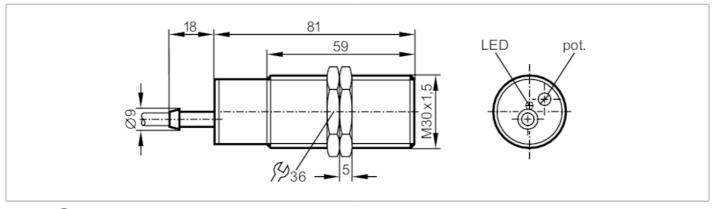
KI-3015-APKG/NI



### Article no longer available - archive entry

#### Alternative articles: KI5001 or KI5015

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





Electrical design	Product characteristics		
Sensing range [mm] 315 Housing Threaded type Dimensions [mm] M30 x 1.5 / L = 81  Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 13; (24 V) Protection class II Reverse polarity protection yes  Outputs Electrical design PNP Output function normally closed  Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC [Hz] 40 Short-circuit protection yes  Monitoring range  Monitoring range	Electrical design		PNP
Housing Threaded type  Dimensions [mm] M30 x 1.5 / L = 81  Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 13; (24 V) Protection class Reverse polarity protection yes  Outputs Electrical design PNP Output function normally closed  Max. voltage drop switching output DC Permanent current rating of switching output DC Switching output DC Switching frequency DC [Hz] 40 Short-circuit protection yes  Monitoring range  Monitoring range	Output function		normally closed
Dimensions [mm] M30 x 1.5 / L = 81  Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 13; (24 V) Protection class Reverse polarity protection yes  Outputs  Electrical design PNP Output function normally closed  Max. voltage drop switching output DC Permanent current rating of switching output DC Switching output DC Switching frequency DC [Hz] 40 Short-circuit protection Type of short-circuit protection Overload protection  Monitoring range  M30 x 1.5 / L = 81  M30 x 1.5 / L = 81  M30 x 1.5 / L = 81  1036 DC  1036 DC 1036 D	Sensing range	[mm]	315
Electrical data Operating voltage [V] 1036 DC Current consumption [mA] 13; (24 V) Protection class II Reverse polarity protection yes  Cutputs Electrical design PNP Output function normally closed  Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC [Hz] 40 Short-circuit protection yes  Monitoring range	Housing		Threaded type
Operating voltage [V] 1036 DC  Current consumption [mA] 13; (24 V)  Protection class II  Reverse polarity protection yes  Outputs  Electrical design PNP  Output function normally closed  Max. voltage drop switching output DC  Permanent current rating of switching output DC  Switching output DC  Switching frequency DC [Hz] 40  Short-circuit protection yes  Type of short-circuit protection yes  Monitoring range	Dimensions	[mm]	M30 x 1.5 / L = 81
Current consumption [mA] 13; (24 V)  Protection class II  Reverse polarity protection yes  Outputs  Electrical design PNP Output function normally closed  Max. voltage drop switching output DC  Permanent current rating of switching output DC  Switching output DC  Switching frequency DC [Hz] 40  Short-circuit protection yes  Type of short-circuit protection yes  Monitoring range	Electrical data		
Protection class Reverse polarity protection  Outputs  Electrical design Output function Normally closed  Max. voltage drop switching of output DC Permanent current rating of switching output DC Switching frequency DC Switching frequency DC Type of short-circuit protection Type of short-circuit protection Overload protection  Monitoring range	Operating voltage	[V]	1036 DC
Reverse polarity protection  Outputs  Electrical design  Output function  Max. voltage drop switching output DC  Permanent current rating of switching output DC  Switching frequency DC  Switching frequency DC  Short-circuit protection  Type of short-circuit protection  Overload protection  Monitoring range	Current consumption	[mA]	13; (24 V)
Outputs       Electrical design     PNP       Output function     normally closed       Max. voltage drop switching output DC     2.5       Permanent current rating of switching output DC     [mA]       Switching frequency DC     [Hz]       Short-circuit protection     yes       Type of short-circuit protection     yes (non-latching)       Overload protection     yes       Monitoring range	Protection class		II
Electrical design Output function Nax. voltage drop switching output DC Permanent current rating of switching output DC Switching output DC Switching frequency DC [Hz] Short-circuit protection Type of short-circuit protection Overload protection  Monitoring range	Reverse polarity protection		yes
Output function  Max. voltage drop switching [V] output DC  Permanent current rating of switching output DC  Switching output DC  Switching frequency DC [Hz] 40  Short-circuit protection yes  Type of short-circuit protection yes (non-latching)  Overload protection yes  Monitoring range	Outputs		
Max. voltage drop switching of output DC  Permanent current rating of switching output DC  Switching frequency DC [Hz]  Short-circuit protection  Type of short-circuit protection  Overload protection  Monitoring range	Electrical design		PNP
output DC  Permanent current rating of switching output DC  Switching frequency DC [Hz] 40  Short-circuit protection yes  Type of short-circuit protection yes (non-latching)  Overload protection yes  Monitoring range	Output function		normally closed
switching output DC Switching frequency DC [Hz] 40 Short-circuit protection yes Type of short-circuit protection yes (non-latching) Overload protection yes  Monitoring range		[V]	2.5
Short-circuit protection  Type of short-circuit protection  Overload protection  Monitoring range  yes  yes (non-latching)  yes  yes		[mA]	250
Type of short-circuit protection yes (non-latching)  Overload protection yes  Monitoring range	Switching frequency DC	[Hz]	40
protection yes (non-latching)  Overload protection yes  Monitoring range	Short-circuit protection		yes
Monitoring range			yes (non-latching)
	Overload protection		yes
Sensing range [mm] 3 15	Monitoring range		
Serion & rende	Sensing range	[mm]	315
Sensing range adjustable yes	Sensing range adjustable		yes
Factory setting sensing range [mm] 15	Factory setting sensing range	[mm]	15

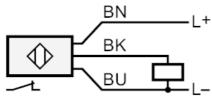
# KI5201

# **Capacitive sensor**





Operating conditions				
Ambient temperature [°C]	-2570			
Protection	IP 65			
Increased immunity	yes; (Increased immunity to conducted radio frequency interference)			
Tests / approvals				
EMC	EN 60947-5-2			
Mechanical data				
Housing	Threaded type			
Mounting	non-flush mountable			
Dimensions [mm]	$M30 \times 1.5 / L = 81$			
Thread designation	M30 x 1.5			
Material	PBT			
Displays / operating elements				
Display	Switching status 1 x LED, yellow			
Accessories				
Items supplied	lock nuts: 2			
	screwdriver: 1			
Remarks				
Pack quantity	1 pcs.			
Electrical connection				
Cable: 2 m, PVC; 3 x 0.5 mm <sup>2</sup>				



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

Connection