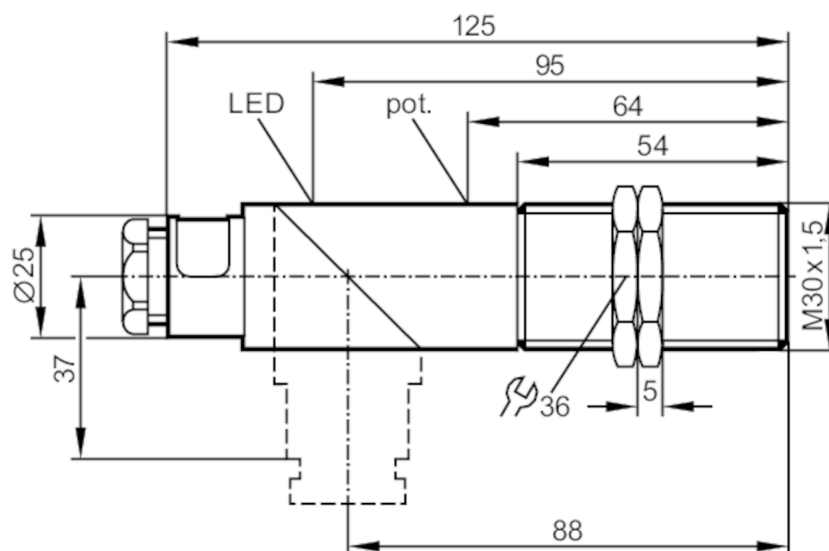


Capacitive sensor

KIE3015-FNKG/NI

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Product characteristics

Electrical design	NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	3...15
Housing	Threaded type
Dimensions [mm]	M30 x 1.5 / L = 125

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	13; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	40
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	3...15
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KI5205



Capacitive sensor

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Sensing range adjustable	yes
Factory setting sensing range [mm]	15

Operating conditions	
Ambient temperature [°C]	-25...70
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 x 1.5 / L = 125
Thread designation	M30 x 1.5
Material	PBT; end cap: PC

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	
terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5	

Connection

