



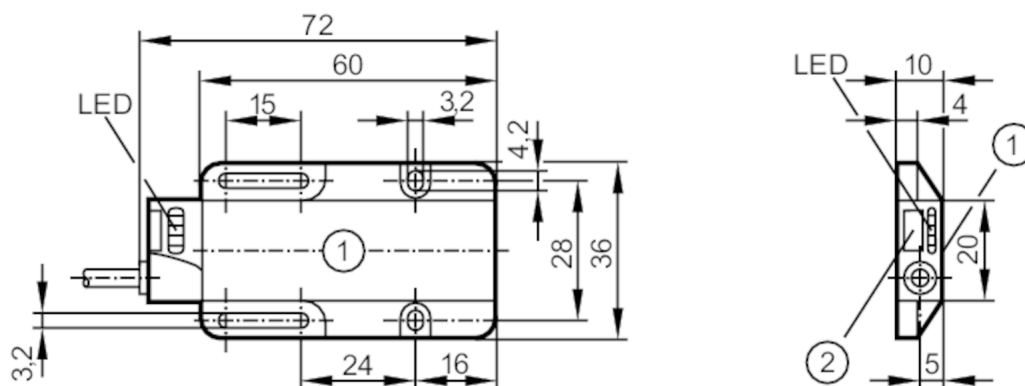
Capacitive sensor

KW-3012-FPKG/NI

Article no longer available - archive entry

Alternative articles: KQ6002 + E12153

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



- 1 Sensing face
2 teach-in element



Product characteristics

Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	12; (sensing range programmable)
Housing	rectangular
Dimensions [mm]	72 x 36 x 10

Application

Special feature	Function check output
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	30; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. voltage drop of function check output [V]	3.5
Max. current load for function check output [mA]	10
Permanent current rating of switching output DC [mA]	150
Switching frequency DC [Hz]	40

KW5001



Capacitive sensor

KW-3012-FPKG/NI

Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Sensing range		[mm]	12; (sensing range programmable)
Sensing range adjustable		yes	
Real sensing range Sr		[mm]	12 ± 10 %
Accuracy / deviations			
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2	
Hysteresis		[% of Sr]	1...15
Switch point drift		[% of Sr]	-15...15
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]	72 x 36 x 10
Materials		PBT; PC	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
		function	1 x LED, red
Remarks			
Pack quantity		1 pcs.	

KW5001



Capacitive sensor

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Electrical connection

Cable: 2 m, PVC; 4 x 0.14 mm²

Connection



WH: Function check output programming wire
Core colours :
BK = black
BN = brown
BU = blue
WH = white