



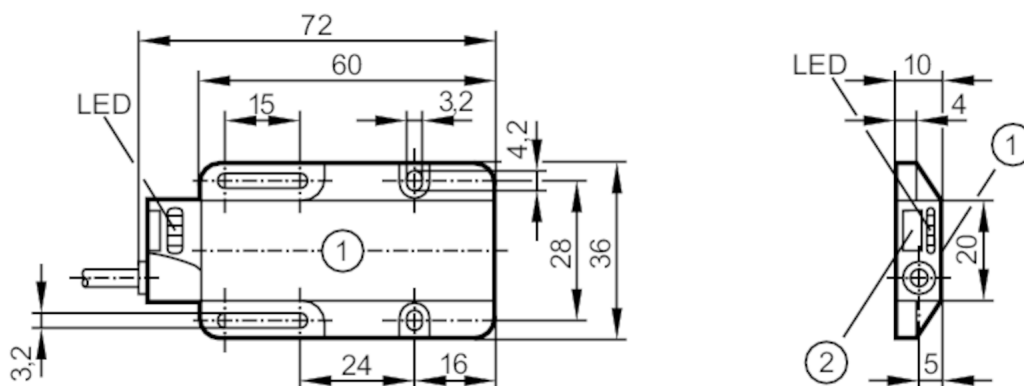
Capacitive sensor

KW-3012-FPKG/NI/0,1M/US

Article no longer available - archive entry

Alternative articles: KQ6005

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

KW5005



Capacitive sensor

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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	[X01]	1...15
Switch point drift	[X01]	-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.

KW5005



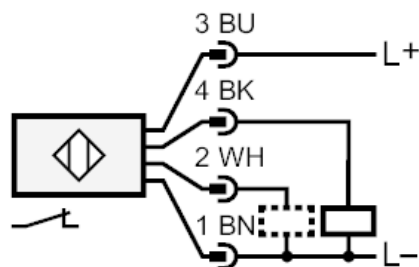
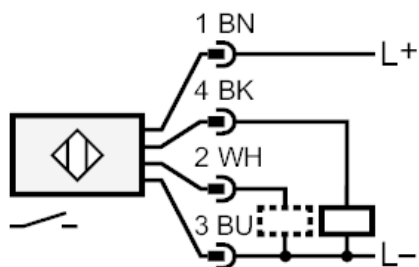
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Electrical connection - plug

Cable: 0.1 m, PVC; 4 x 0.14 mm²

Connector: 1 x M12; coding: A



2: Function check output programming wire