

KW5001

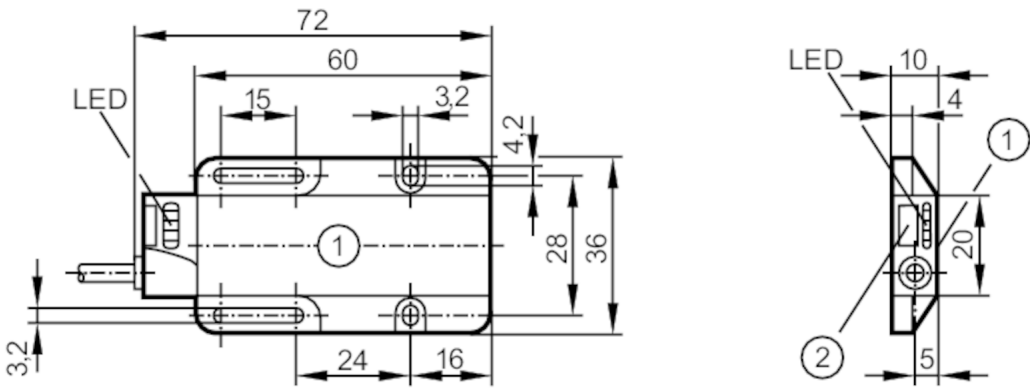


Capacitive sensor

KW-3012-FPKG/NI

Article no longer available - archive entry

Alternative article: KQ6002 + E12153 When selecting an alternative article and accessories please note that technical data may differ! – 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
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	30; (24 V)
Protection class	II
Reverse polarity protection	yes



Capacitive sensor

KW-3012-FPKG/NI

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	
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



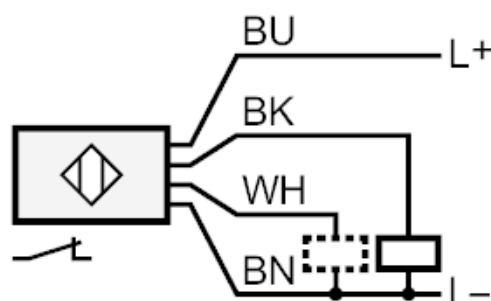
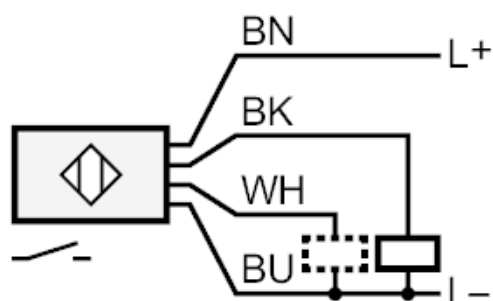
Capacitive sensor

KW-3012-FPKG/NI

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

Article no longer available - archive entry

Alternative article: KQ6002 + E12153 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!