

KN5104



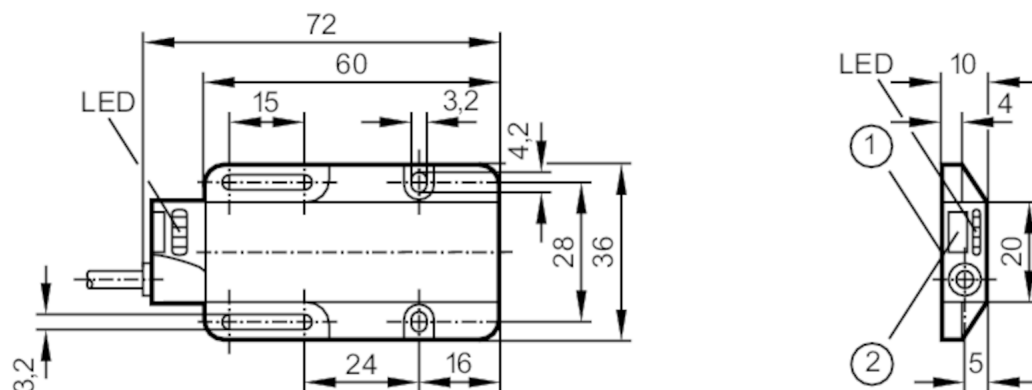
Capacitive sensor

KNQ01NUKFNGK

Article no longer available - archive entry

Alternative articles: KQ6001

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	NPN
Output function	normally open / closed; (selectable)
Sensing range [mm]	Adjustment to the empty and full state possible
Housing	rectangular
Dimensions [mm]	72 x 36 x 10

Application

System	Function check output
Installation	detection through non-metallic container wall or on bypass pipes
Media	dry bulk material; liquids
Recommended media	media with a dielectric constant < 20; oils

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	30; (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
Function check output	yes
Max. voltage drop of function check output [V]	3.5

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Capacitive sensor

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Max. current load for function check output	[mA]	10
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	5
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Sensing range	[mm]	Adjustment to the empty and full state possible
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Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	72 x 36 x 10
Material		PC; PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red

Accessories

Items supplied	screwdriver: 1
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Remarks

Pack quantity	1 pcs.
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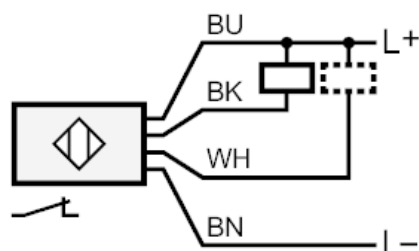
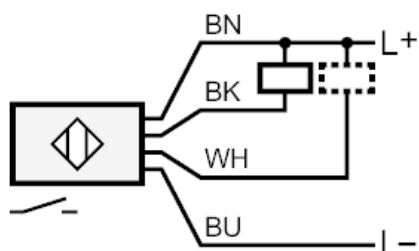
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Electrical connection

Cable: 2 m, PVC; 4 x 0.14 mm²

Connection



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