

KN5106



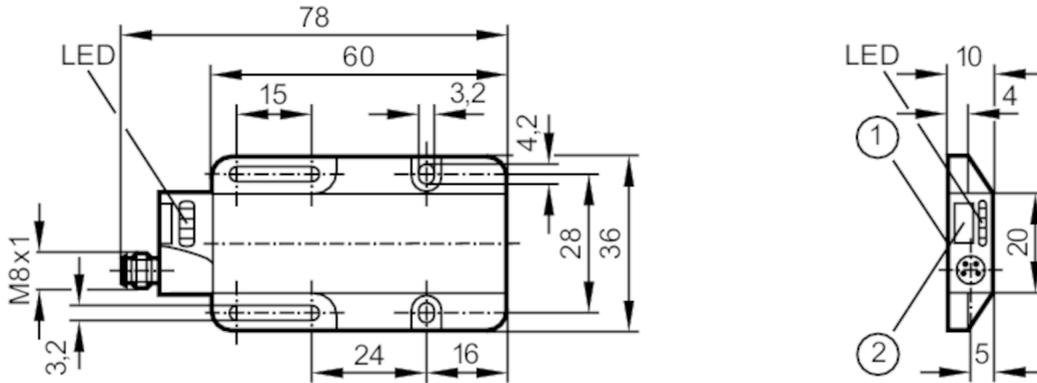
Capacitive sensor

KNQ01NUKFNGK/AS-510-TNF

Article no longer available - archive entry

Alternative articles: KQ6003

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 / normally closed; (selectable)
Sensing range [mm]	adjustment to the empty and full state possible
Housing	rectangular
Dimensions [mm]	78 x 36 x 10

Application

Special feature	Gold-plated contacts; 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 / 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

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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	pulsed
Overload protection	yes

Detection zone

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]	78 x 36 x 10
Materials	PC; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	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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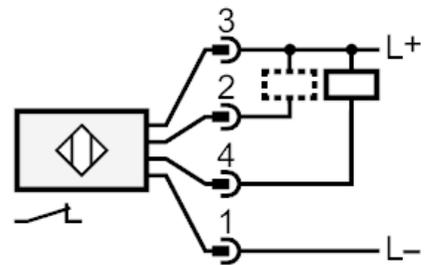
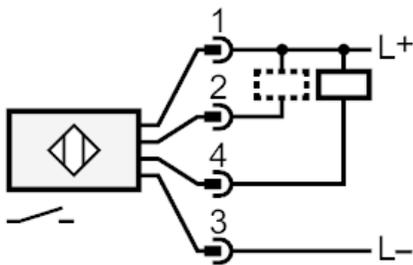


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Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: gold-plated



2: Function check output programming wire