efector150

KN5107

Capacitive sensors

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Alternative article: KQ6004
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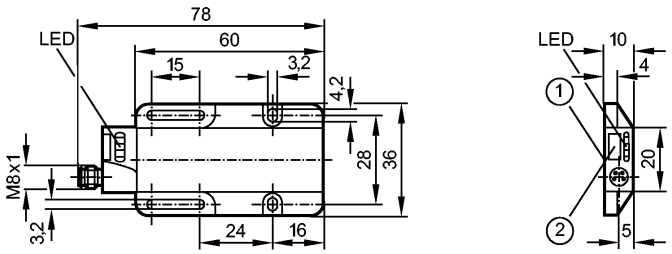


1: sensing face
2: teach-in element

Made in Germany

Product characteristics		
Level sensor		
Rectangular, plastics		
Connector		
Function check output		
Adjustment to the empty and full state possible; [nf] non-flush mountable		
Application		
Application		For dry bulk materials and liquids, detection through non metal tank walls or bypass pipes. Optimised for media with a dielectric constant < 20 (e.g. oils).
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30 (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed programmable
Voltage drop		
- Switching output	[V]	< 2.5
- Function check output	[V]	< 3.5
Current rating		
- Switching output	[mA]	150
- Function check output	[mA]	10
Short-circuit protection		pulsed
Overload protection		yes
Switching frequency	[Hz]	5
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		

KN5107

Mounting		non-flush mountable
Housing materials		PC; PBT
Weight	[kg]	0.057

Displays / operating elements

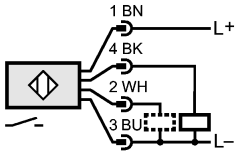
Output status indication	LED	yellow
Operation	LED	green
Function display	LED	red

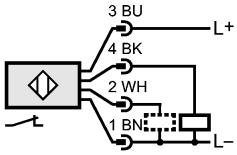
Electrical connection

Connection	M8 connector; gold-plated contacts

Wiring

2: function check / programming wire





Accessories

Accessories (included)	screwdriver

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