evel evaluation module NA 3

features

- level evaluation module for installation in connection heads
- conductive measuring method
- connection of two measuring electrodes possible
- USB type C interface for configuration
- adjustment of sensitivity and switching delays freely selectable via Windows software
- completely encapsulated module
- direct connection to PLC
- full/empty signal switchable by pole reversal
- optimized for automotive applications

NA3 (Beispielbild)

technical specifications

operating voltage	8...30 VDC
current consumption	<20 mA + PNP output
inputs	2 electrodes
electrodes Measuring voltage	2 V AC / 500 Hz
measuring range	0 kΩ...100 kΩ
sensitivity/switching point	5 kΩ (standard) or freely selectable via Windows software
output signal	2 x PNP (active 40 mA, short-circuit proof)
voltage output	voltage proportional to power supply
switching delay	0.1s (standard) or 0.1s to 10s freely selectable via Windows software
switching function	invertible by reversing the polarity of the operating voltage
configuration interface	USB type C (connection via standard USB cable)
protection class	IP00 according to DIN EN 60529
housing material	PA6.6
dimensions	Ø44 mm x 22 mm incl. terminals
terminal connection	4 x max. 1.5 mm²
operating temperature	-10...80°C
storage temperature	-20...60°C

configuration notes

adjustment of sensitivity and switching delay

A USB Type C cable can be used to connect the device to the computer can be established. Windows software can then be used to the sensitivity and the switching delay can be freely selected. can be selected.

setting the full-empty message function

The full/empty signal function is switched over by reversing the polarity of the operating voltage

Kl1 +, Kl2 - function "full": electrode is covered = output active
Kl1 +, Kl2 - Function "Empty": Electrode is free = Output active

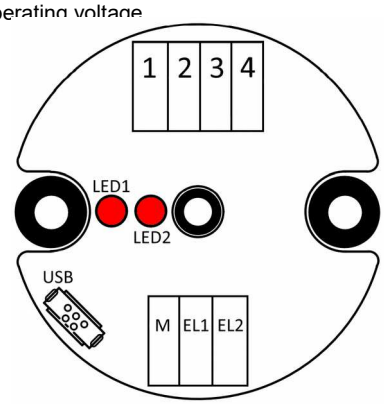
connection

1 = supply voltage
2 = supply voltage
3 = PNP output 1 (24 VDC)
4 = PNP output 2 (24 VDC)

M = Ground connection (vessel wall)
EL1 = electrode 1
EL2 = electrode 2

function full/empty
terminal 1, 2

function full =	terminal1 + terminal2 -
function empty =	terminal1 - terminal2 +



order-code NA3

order example: NA3

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