



RR-P-571__-V1

RR-P-571 liquid sensor

principle of measurement	conductivity
number of stages	4 independent stages
measuring method	AC-current for no electrolytic reaction at the sensor contacts AC-voltage approx. 1V effective Internal resistance approx. 500 k Ohms Synchronous demodulator for good noise rejection.
inputs	2 wires per channel capacitive coupled (DC free)
output	output stages for active on liquid and active on air PROFET high side switches with weak pull down resistor. protection: current overload, short circuit, overheating indicator LED for every stage
supply voltage	DC 24V (18 .. 30V) current consumption approx. 20mA
dimensions	100 x 50 mm 4 mounting holes at the corners, 90 x 40 mm
options	coated with 3M NOVEC1700 (see datasheet DNR23114, DNR23115)

P1 INPUTS	
Connector type	Würth Elektronik Series MPC3 662 108 145 021
PIN#	DESCRIPTION
1	cold side channel 4
2	hot side channel 4
3	cold side channel 3
4	hot side channel 3
5	cold side channel 2
6	hot side channel 2
7	cold side channel 1 (0V)
8	hot side channel 1 (1V AC)

P2 supply and outputs with NO outputs (-V1)	
Connector type	Würth Elektronik Series MPC3 662 107 145 021
PIN#	DESCRIPTION
1	+24V
2	0V (ground)
3	NO-1
4	NO-2
5	NO-3
6	NO-4
7	-

P2 supply and outputs with NC,NO-outputs (-V2)	
Connector type	Würth Elektronik Series MPC3 662 014 231 722
PIN#	DESCRIPTION
1	+24V
2	0V (ground)
3	NO-1
4	NO-2
5	NO-3
6	NO-4
7	-
8	+24V
9	0V (ground)
10	NC-1
11	NC-2
12	NC-3
13	NC-4
14	-