

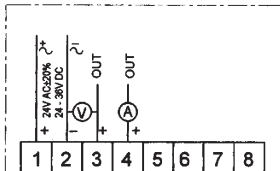
Moduflex · Type series SN 3

Pressure transmitters, piezoresistive 3-wire-system



SN...-311
2 output signals 0–10 V
and 4–20 mA

Connection diagramm
SN...311



for liquid and gaseous media

Technical data

Pressure connection	G 1/2" outside to DIN EN 857, Wrench size SW 27
Materials	Sensor housing: 1.4571 Pressure membrane: 1.4435 Terminal housing: Makrolon
Installation	Directly on pressure line
Cable entry	Plug connection to DIN 43 650 or 2 x PG 9 (only 311-series)
Degree of protection	IP 65
Operating voltage	24 VAC ± 20 % or 24 V...36 VDC
Output signal	0...10 V
Total accuracy	≤ 1 % FS, typical ≤ 0,5 % FS
Propagation delay (response time)	≤ 10 ms (max.)
Compensated range	0–100 °C
Medium temperature	–30 to +100 °C
Ambient temperature	0–50 °C
Long term drift	max. ± 0,5 % FS/year

Type series SN...311 / Type series SN...-395

The nominal ranges quoted in the following type overview of the types SN...311 can be limited by 50 % of the nominal range by setting potentiometers on the evaluation electronics. The zero point can also be shifted by 50 % of the nominal range.

Inversion of the output signal possible

Type overview

Working range (nominal range) (bar)	Smallest settable working range (bar)	Max. allowable pressure (bar)	Type
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Output signal 0–10 V and 4–20 mA, terminal connection

0 – 0.25	0.125	0.75	SN 025-311
0 – 0.6	0.3	1.8	SN 06-311
0 – 1	0.5	3	SN 1-311
0 – 2.5	1.25	7.5	SN 3-311
0 – 6	3	18	SN 6-311
0 – 10	5	30	SN 10-311
0 – 25	12.5	70	SN 25-311
0 – 40	20	80	SN 40-311
0 – 60	30	120	SN 60-311

Working range (nominal range) (bar)	Smallest settable working range (bar)	Max. allowable pressure (bar)	Type
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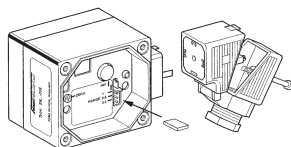
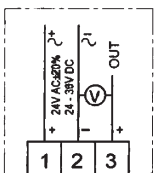
Output signal 0–10 V, plug connection, range adjustable by jumper

0 – 0.25	0 – 0.125 / 0.05	0.75	SN 025-395
0 – 0.6	0 – 0.3 / 0.12	1.8	SN 06-395
0 – 1	0 – 0.5 / 0.2	3	SN 1-395
0 – 2.5	0 – 1.25 / 0.5	7.5	SN 3-395
0 – 6	0 – 3 / 1.2	18	SN 6-395
0 – 10	0 – 5 / 2	30	SN 10-395
0 – 25	0 – 12.5 / 5	70	SN 25-395
0 – 40	0 – 20 / 8	80	SN 40-395
0 – 60	0 – 30 / 12	120	SN 60-395



SN...-395

Connection diagramm



Range selectable by jumper (100 %, 50 %, 20 % of the nominal range)