novasina

TECHNICAL DATA SHEET
nLink+ DI RL DP25

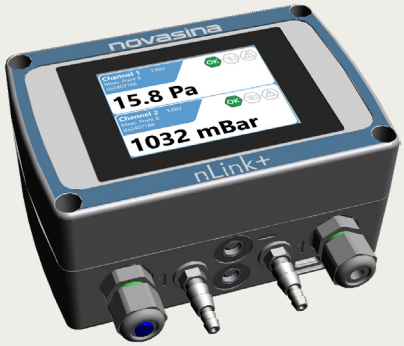
Dual channel transmitter with 2 relays outputs for the continous measurement of differential pressure in an IP54 case.

Integrated 2.8 zoll LCD touch display.

Can be ordered as a variant with 1 or 2 dP sensors.

Bidirectional differential pressure sensors based on dynamic (massflow) measurement with absolute pressure sensor included.

Configuring possible with standard USB-C cable.



Doc-Nr.: 007804.01

Art.-Nr.:	Product-name:	
2602277	nLink+ DI RL A	1*dp sensor ±25Pa
TBD	nLink+ DI RL AA	2*dp sensor ±25Pa

Technical data

Description	nLink+ DI AS DP25
Measurement Range	-25 to +25 Pascal
Accuracy at 20°C	±0.15Pa
Temperature effect	Max. ±0.10Pa
Max. Resolution	0.1 Pa
Long term stability	±0.05% FSS (typ)
Flow rate	<200ul/min
Ambient pressure dependency	Compensated with built in abs pressure sensor
Ambient pressure: Range	700 – 1260 hPa / mBar
Ambient pressure: Accuracy	±0.5 hPa
Max. permissible overpressure	2 bar (burst pressure 4 bar)
Power supply	Rated voltage: 24 V AC / DC; Permissible voltage range: 5 to 48 V DC / 24 V AC
Power consumption	<0.5W
Display	2.8 Zoll LCD Touch Display
Status LED	LED for power On, LED for nSens connected
Output	2 configurable relays outputs Relay performance: Max. power consumption 60W Max. voltage 50V Max. current 5A

Description	nLink+ DI RL DP25	
Housing material	PC/ABS	
Protection class	IP54	
Soldering material	lead free (RoHS compliant)	
Working temperature	0 to 50°C	
Storage temperature	-10 to 60°C (non-condensing)	
CE-/EMC	Safety: EMC:	EN 61010-1:2020 IEC 61000-6-3:2020, EN 61000-6-3:2007+A1:2011 EN IEC 6100-6-3:2021 IEC 61000-6-2:2016, EN 61000-6-2:2019 IEC 61326-1:2012 / EN 61326-1:2013 IEC 61326-1:2020 / EN 61326-1:2021

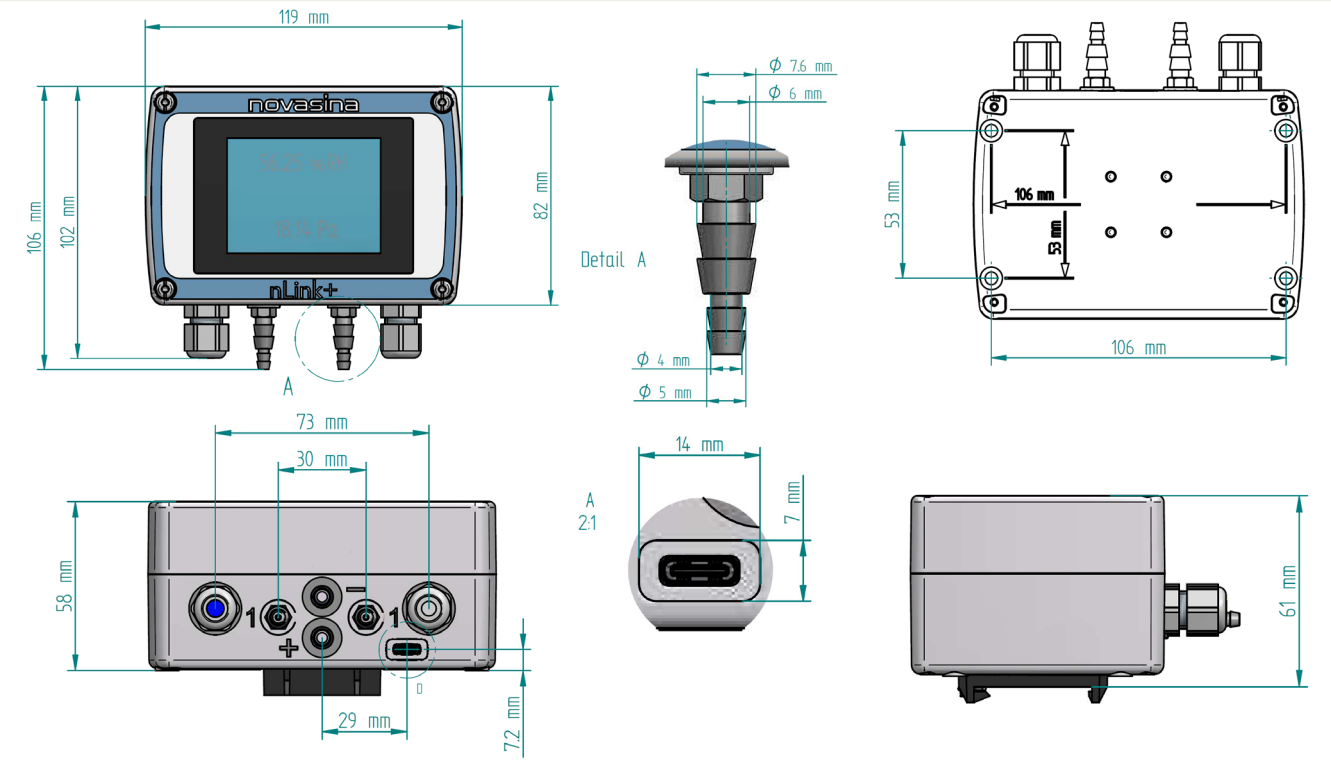
Electrical installation:		
Clamping range	0.13 - 1.5mm² (Push-in Spring clip)	
Wires	w. plastic collar ferrule DIN 46228/4: w. wire end ferrule DIN 46228/1: Solid, min. H05(07) V-U Wire connection cross section AWG28 - 14	0,25 - 0.75 mm² 0,25 - 1.50 mm² 0.2 - 1.50 mm²

Cable specifications depend on the installation and have to be defined by the designer or installer. Heavy machinery and other instrumentation should not share the same power supply wiring. Use noise filters and surge protectors if required.

For EMC protection it is recommended to take the following measures:

- Wires emitting interference must be separated from measurement and analysis units
- Parallel guidance of measurement cables and electrical power cables must be avoided, use different channels with separation (see European Standard EN50170 for detailed information)

Dimension & Schematics:



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