

Transmitter with ModbusRTU output for the continuous measurement of differential pressure for installation in electrical cabinets on mounting rails.

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.

Configuration with USB cable for Windows PC.

Configuration possible without external power supply.

## Art.-Nr.:

XXXXXXX  
XXXXXXX

## Product-name:

nLink+ EC MR B      1\*dp sensor  $\pm 250$ Pa  
nLink+ EC MR BB    2\*dp sensor  $\pm 250$ Pa

## Technical data:

Measurement Range	-250 to +250 Pascal		
Accuracy at 20°C	Range $\pm 50$ Pa: $\pm 0.20$ Pa	Range $\pm 100$ Pa: $\pm 0.25$ Pa	Range $\pm 250$ Pa: $\pm 0.50$ Pa
Temperature effect	Max. $\pm 0.10$ Pa		
Max. Resolution	0.1 Pa		
Long term stability	$\pm 0.05\%$ 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	$\pm 0.5$ hPa		
Max. permissible overpressure	2 bar (burst pressure 4 bar)		
Power supply	24V DC, Permissible voltage range: 5 to 39V		
Power consumption	<0.5W		
Display	none		
Status LED	LED for power On, LED for nSens connected		
Output	ModbusRTU (all climate values and diagnostic information as described in the Modbusregister)		
Housing material	PA6.6 (UL94V0), mounting rail holder		
Protection class	none, installation in protected cabinet required		
Soldering material	lead free (RoHS compliant)		
Working temperature	0 to 50°C		
Storage temperature	-10 to 60°C (non-condensing)		
CE-/EMC	Safety: EN 61010-1:2020 EMC: IEC 61000-6-2:2016, EN 61000-6-2:2019 IEC 61000-6-3:2020, EN 61000-6-3:2007+A1:2011		

## Electrical installation:

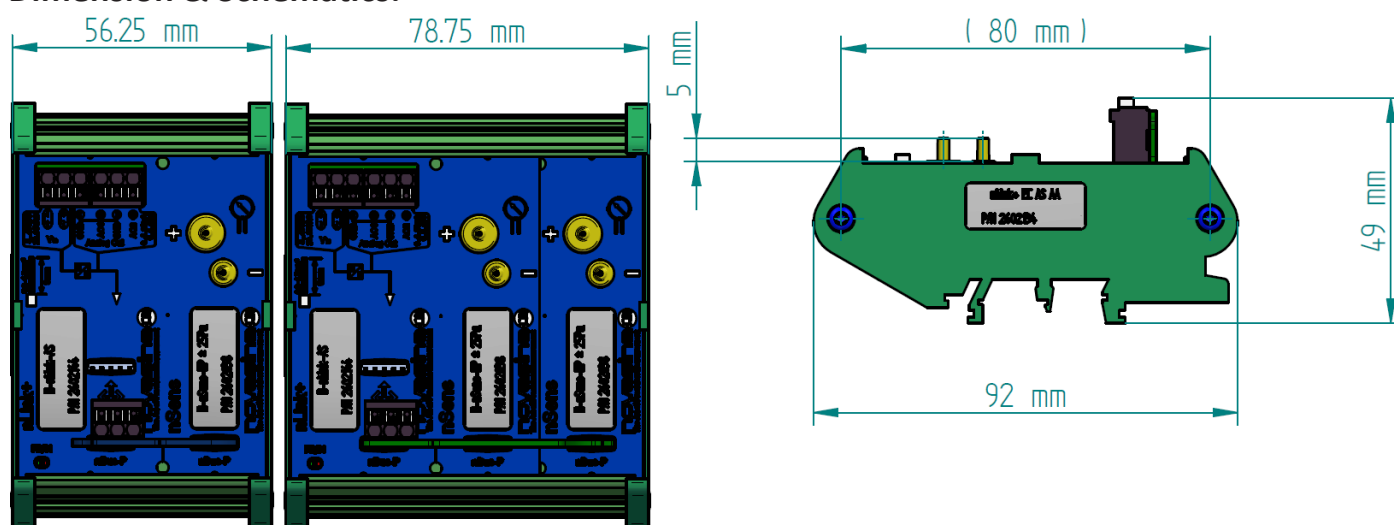
Clamping range	0.13 - 1.5mm <sup>2</sup> (Push-in Spring clip)	
Wires	w. plastic collar ferrule DIN 46228/4:	0,25 - 0.75 mm <sup>2</sup>
	w. wire end ferrule DIN 46228/1:	0,25 - 1.50 mm <sup>2</sup>
	Solid, min. H05(07) V-U	0.2 - 1.50 mm <sup>2</sup>
	Wire connection cross section AWG28 - 14	

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:



## More information & accessoires

[Link to Website>](#)



Technical data subject to change without prior notice