novasina

TECHNICAL DATA SHEET
nLink+ EC AS

Dual channel transmitter with 2 analog signal outputs for installation in electrical cabinets on mounting rails.

Configuration with USB cable for Windows PC.

Configuration possible without external power supply.

Compatible with all exterior nSens sensor (such as nSens-HT-EIS, Sens-dP etc), requires suitable nSens cables up to 100 meters.

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Technical data

Description	nLink+ EC AS
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	2 scalable analog outputs, current 0/4..20mA or voltage 0/2..10V Accuracy <0.05% of span Linearity <0.05% of span Temperature effect 0.005% of span / °C Load (I): min. 0Ω / max. 500Ω or (Uin-2V)/Imax Load resistance (U): min. 10 kΩ / max. ∞Ω
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)
Compatibility	Compatible with all nSens-HT V2.14 and later or nSens-dp
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 - 1.5mm2 (Push-in Spring clip)	
Wires	w. plastic collar ferrule DIN 46228/4:	0,25 - 0.75 mm²
	w. wire end ferrule DIN 46228/1:	0,25 - 1.50 mm²
	Solid, min. H05(07) V-U	0,2 - 1.50 mm²
	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:

