

EYZ 260: nova260, Signal converter (Ni200/Ni1000 to 0...10 V)

The Ni200/Ni1000 to 0...10 V signal converter, which has two independent functions, enables connection to the AS measuring inputs (0...10 V) of the automation stations **nova210**, **nova215**, **nova220**, **nova225**, **nova230** or **nova106** (EYS 124 F001).

Having one bridge per function, the signal converter is encodable (bridge made $\hat{=}$ Ni200 to 0...10 V; bridge cut $\hat{=}$ Ni1000 to 0...10 V).

To be able to obtain an accurate measurement, a clocked reference voltage of 1 V is required; this can be tapped from the AS (potentiometer voltage).



T07754

Type	Description	Weight g
EYZ 260 F001	Signal converter (Ni200/Ni1000 to 0...10 V)	120
Technical data		
Activation:-		Ambient temperature 0...45 °C
Automation station nova210	EYL 210 F . .	Transport and storage temp. -25...70 °C
nova215	EYL 215 F001	Ambient conditions:-
nova220	EYL 220 F . .	Humidity 10...90 %rh
nova225	EYL 225 F001	without condensation
nova106	EYS 124 F001	Ambient class IEC 60721 3K3
Measure area	-50...+150°C	
Number of inputs	2	Wiring diagram A07588
Power supply	24 V~/UPS or 12 V=/AS	Dimension drawing M07764
Power loss, max.	approx. 0 W	Fitting instructions MV 505557
		Complies with:-
		EMC directive 2004/108/EC EN 61000-6-1/ EN 61000-6-2 EN 61000-6-3/ EN 61000-6-4

Accessories

- 0374307 001** Terminal cover
- 0367974 001** Set of adhesive labels comprising:-
 - 2 sheets à 40 labels for EYZ 260
 - 7 sheets à 60 labels for EYZ 264/25
 - 5 sheets à 100 labels for EYZ 270

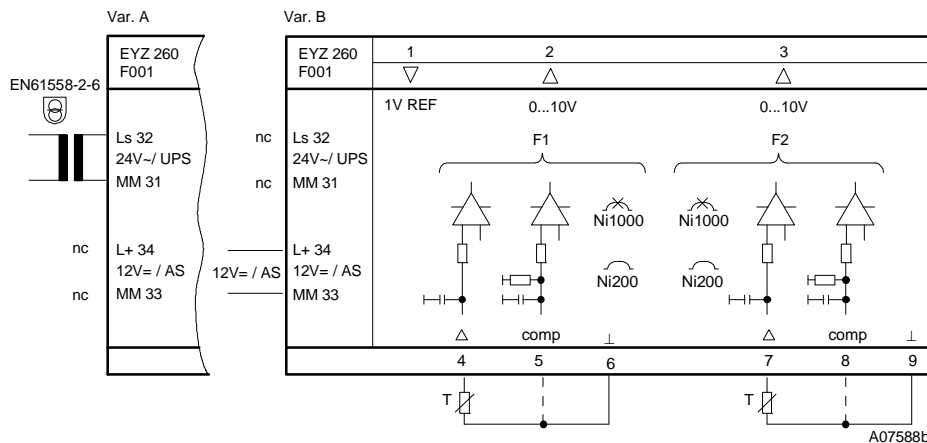
Engineering notes

Using a top-hat rail (EN 50022), the **nova_260** signal converter can be fitted either in the panel or in any suitable position in the plant.

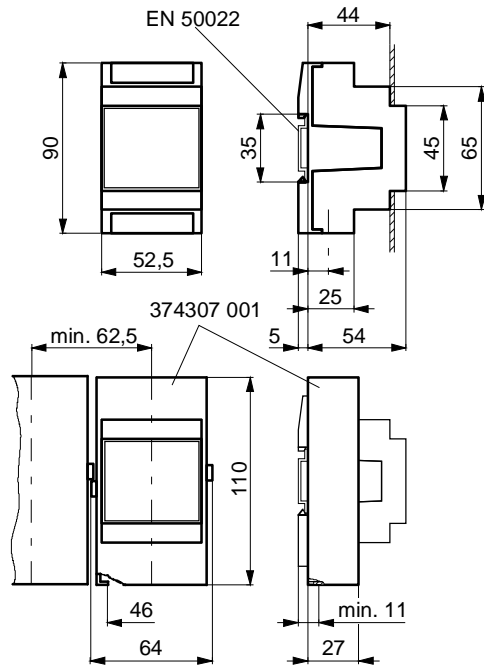
The two inputs, which require no calibration, are used for Ni200 or Ni1000 sensors. The Ni200 sensor is connected with three wires: at a size of 0,8 mm², the maximum length is 80 m; at 1,5 mm², the maximum length is 240 m. The measuring voltage is pulsed so as to prevent the sensor from heating up.

The **nova_260** signal converter can be supplied by either 24 V~, 24 V~ from the UPS (EYZ 101 F001) or 12 V d.c. from the AS.

Wiring diagram for EYZ 260 F001

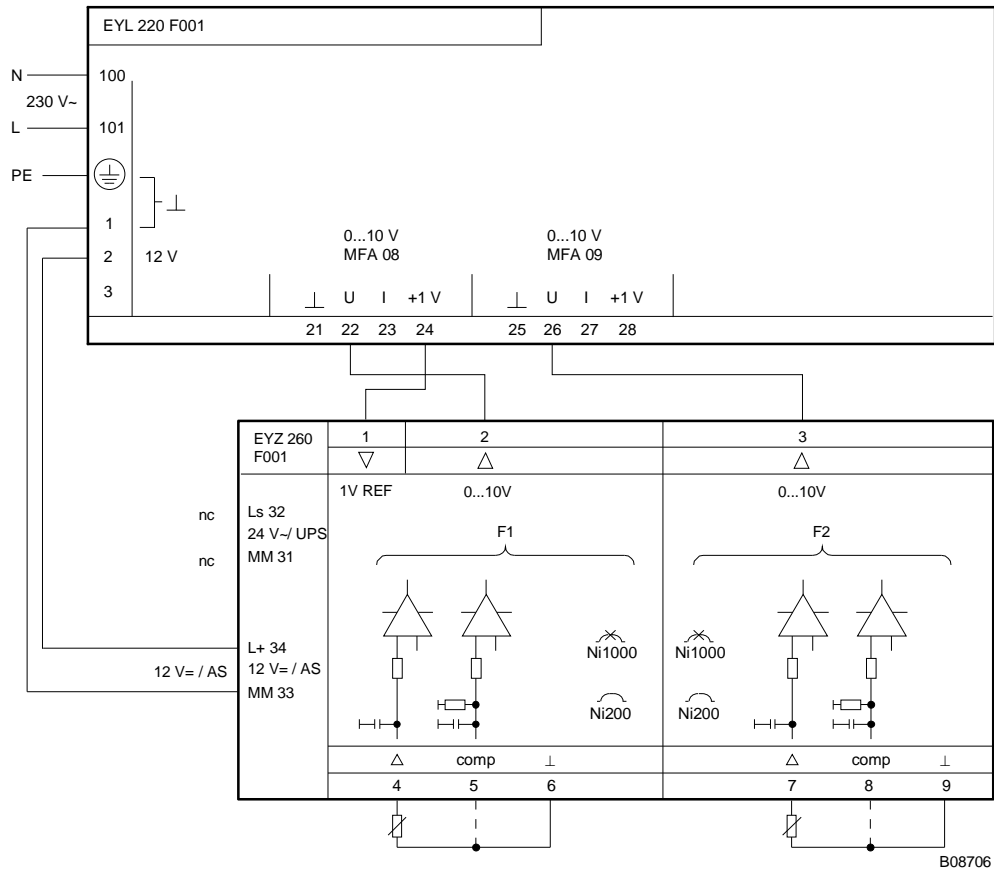


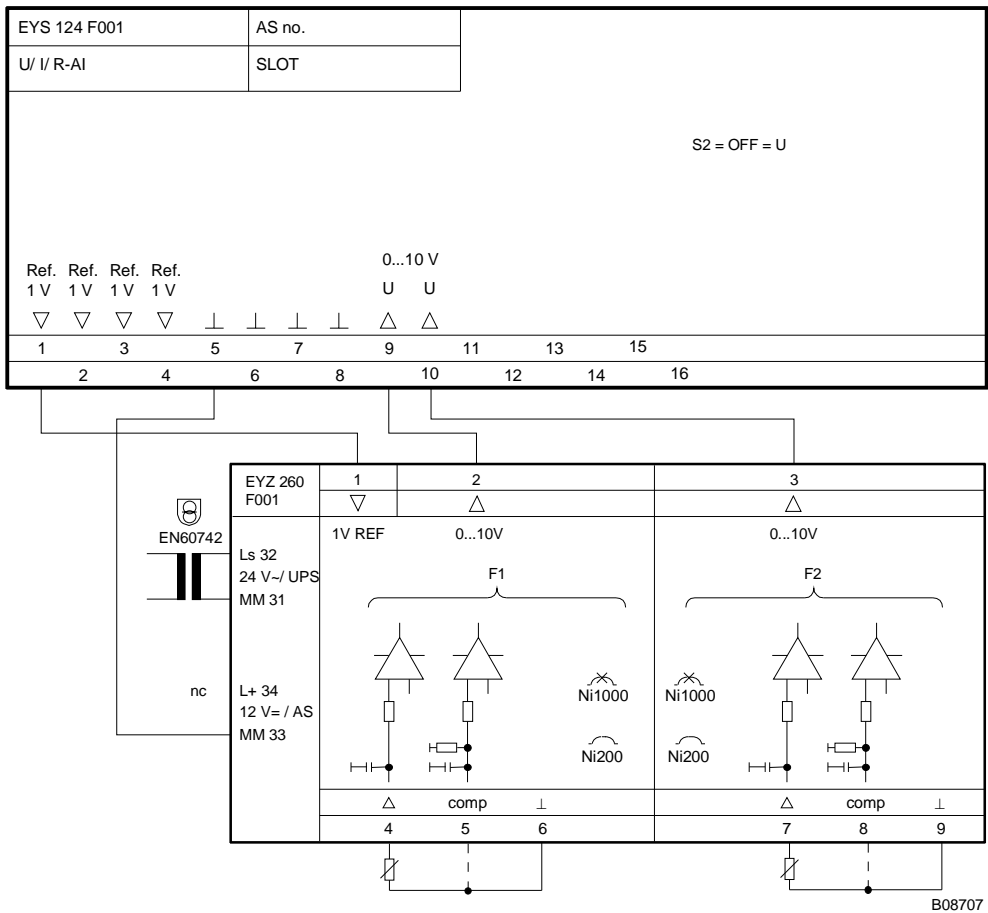
Dimension drawing



M07764a

Example of connection: linear correction factor $a = 200$, $b = -50$.





In cases where the industry standard (EN 61000-6-2) has to be met, the power cables should be no longer than 30 m.