

DC-AC Converter INVR2000-24-230-K1

Inverter for Sub-Chassis mounting in Rail Applications

Specification

General

Electrical safety EN 60950, VDE 0805
overload- and short circuit protected

Electrical data

Input

Input voltage nom. $U_N = 24V_{DC}$
Input range 16,8 to 32,7V

Output

Output voltage nom. 230V_{AC}, 1-phase "floating"
Output frequency 50Hz
Voltage stability +/-5%
Efficiency >86%
Output power max. 2000VA/1600W
Output current nominal 6,95A
Short circuit current $I_{SC} = 18A$
Power factor 0.8
Load range 0-100%
Crestfactor >2,5
Harmonic distortion <2%
Overload capability 1,50 x P_{NOM} for 3 seconds

Restart after overload after 30 seconds

Ambient conditions

Operating temperature -25°C to +70°C, acc. EN50155
Rel. humidity <75% average per year
Shock and vibration acc. to EN50155, „mounted into frame“
frequency range: 5-150Hz
transfer frequency: 8,2Hz
Oscillation amplitude below transit frequency:
7,5mm
Acceleration amplitude above transit frequency:
20m/s²

EMC

According to EN50121-3-2

Warranty 24 months



Picture may differ from actual device

Signal contact

Remote on/off potential free, 16-34V_{DC}/10mA
Signal 1 pole switch, max. 250V_{AC}/1A
LED green power good
LED red overvoltage, fan failure, excess temperature and short circuit

Mechanical data

Case material sheet steel, zinc-plated
Dimension 575 x 270 x 143 mm (W x D x H)
Weight approx. 10.0 kg
Protection IP 20
Cooling forced ventilation,
fan speed is depending on temperature and inverter output power

Connecting terminals

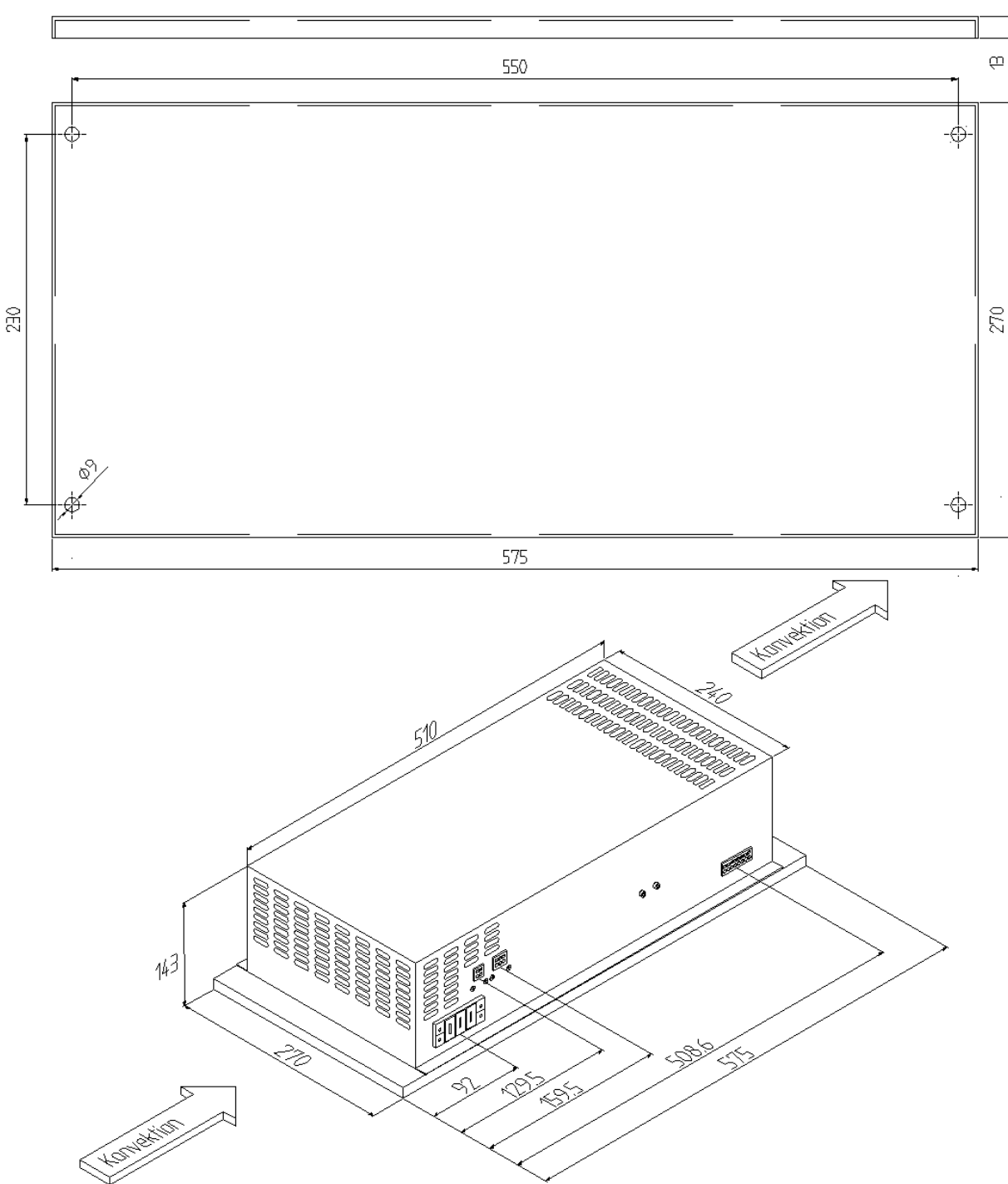
Input: -X1 PC 35 Phoenix, 3-pole
Remote on/off: -X2.1 Wago 231-602 / 017-000
2-pole, 2,5mm²
Signal: -X2.2 Wago 231-603 / 017-000
3-pole, 2,5mm²
Output: -X3 Wago 231-608 / 017-000
8-pole, 2,5mm²

Order Code INVR2000-110-230-K2

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Self-locking nuts must be used for fastening of the device, with maximum 8Nm moment of force.