

DC-AC Converter INVR2000-24-230-K2

Inverter for Sub-Chassis mounting in Railway Applications

Specification

General

Electrical safety EN 50124, EN 50153
overload- and short-circuit-protected

Electrical data

Input DC

Nominal voltage $U_N = 24V_{DC}$
Voltage range 17 – 33V

Output AC

Nominal voltage 230V_{AC}, 1-phase, "floating"
Output frequency 50Hz
Voltage stability +/-5%
Efficiency >86%
Max. output power 2000VA / 1600W
Short-circuit current $I_{SC} = 18A$
Power factor 0.8
Load range 0 – 100%
Crest factor >2.5
Harmonic distortion <2%
Overload capability 1.5 x P_{NOM} for 3 seconds
Restart after overload after 30 seconds

Ambient conditions

Operating temperature -25°C to +70°C, acc. to EN 50155
Rel. humidity <75% average per year
Shock and vibration acc. to EN 61373 B

EMC acc. to EN 50121-3-2



Picture may differ from actual device

Signals

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

Mechanical data

Case material galvanised sheet steel
Dimension 525 x 290 x 143 mm (W x D x H)
Weight approx. 10 kg
Protection IP 20
Cooling forced ventilation, fan speed temperature-dependent

Connecting terminals

Input: -X1 Phoenix PC 35, 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

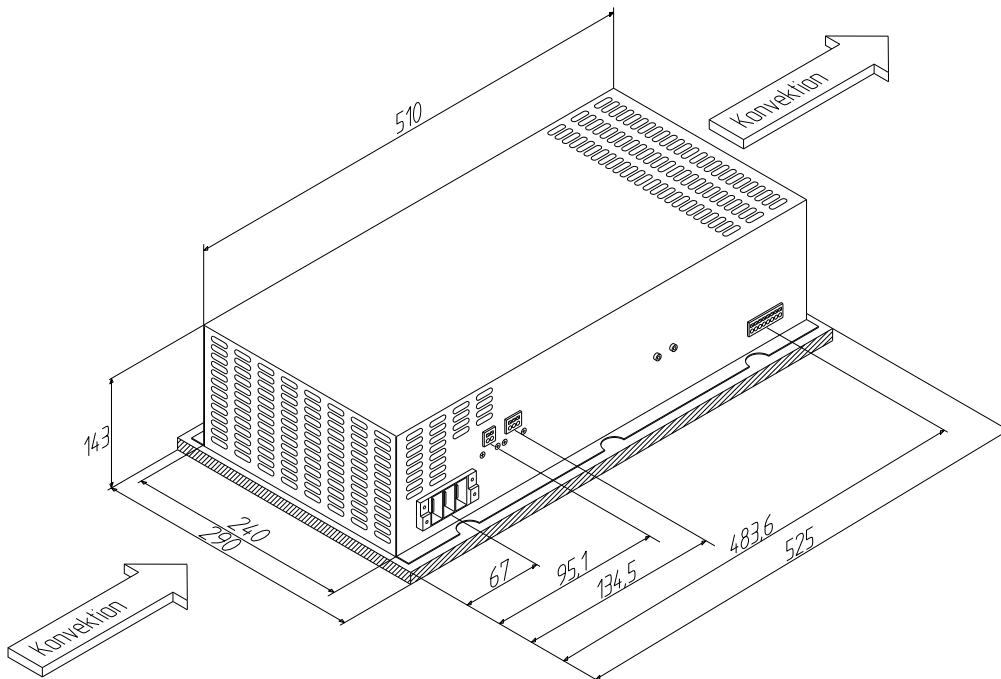
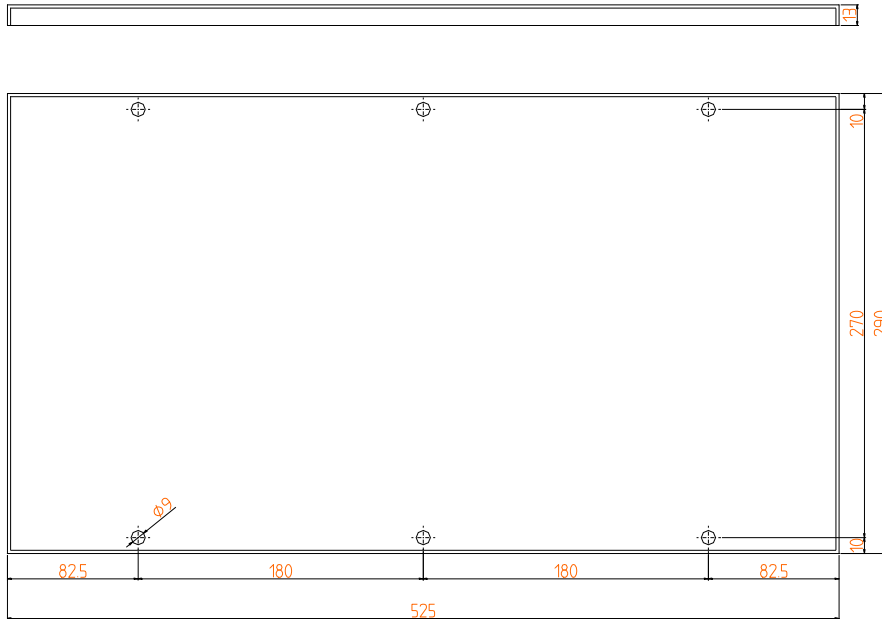
Order Code INVR2000-24-230-K2

Warranty 24 months

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Mechanical data



Self-locking nuts must be used for fastening of the device, tightened with a maximum torque of 8 Nm.