

# 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<sub>AC</sub>, 1-phase "floated"  
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<sub>NOM</sub> for 3 seconds

Restart after overload after 30 seconds

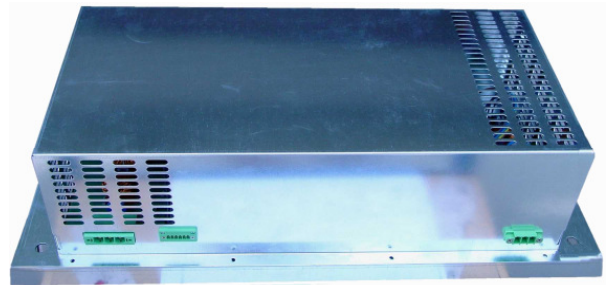
#### Ambient conditions

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/s<sup>2</sup>

#### EMC

According to EN50121-3-2

**Warranty** 24 months



Picture may differ from actual device

#### Signal contact

Remote on/off potential free, 16-34V<sub>DC</sub>/10mA  
Signal 1 pole switch, max. 250V<sub>AC</sub>/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. 12kg  
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, 2,5mm<sup>2</sup>  
Signal: -X2.2 Wago 231-603 / 017-000  
3-pole, 2,5mm<sup>2</sup>  
Output: -X3 Wago 231-608 / 017-000  
8-pole, 2,5mm<sup>2</sup>

**Order Code** INVR2000-110-230-K2

