

# DC-AC Converter INVR2000-110-230-K2

Inverter for Sub-Chassis mounting in Rail Applications

## Specification

### General

Insulation coordination according to EN 50124  
Electrical safety overload- and short circuit protected

### Electrical data

#### Input

Input voltage nom.  $U_N = 110V_{DC}$   
Input range  $\pm 20\%$ , temporarily  $\pm 40\%$ ,  
acc. to EN 50155

#### Output

Output voltage nom.  $230V_{AC}$ , 1-phase  
Output frequency 50Hz  
Voltage stability  $\pm 5\%$   
Efficiency  $> 86\%$   
Output power max.  $2000VA/1600W$   
Short circuit current  $I_{SC} = 20A$   
Power factor 0.8  
Load range 0-100%  
Crestfactor  $> 2,5$   
Harmonic distortion  $< 2\%$   
Overload capability  $1,50 \times P_{NOM}$  for 3 seconds

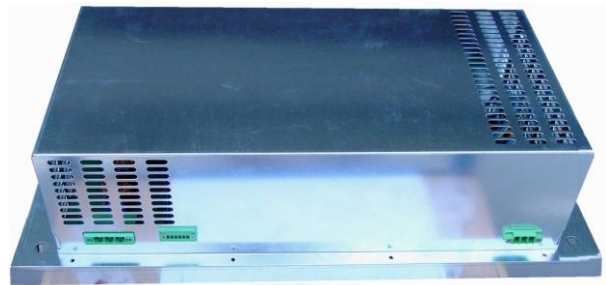
Restart after overload after 30 seconds

### Ambient conditions

Operating temperature  $-40^\circ C$  to  $+70^\circ C$ , acc. to EN50155  
 $+55$  to  $+70^\circ C = 2\%/K$  derating  
Rel. humidity  $< 75\%$  average per year  
Shock and vibration acc. to EN50155, „mounted into frame“  
frequency range: 5-150Hz  
transition frequency: 8,2Hz  
Oscillation amplitude below transition frequency:  
7,5mm  
Acceleration amplitude above transition frequency:  
 $20m/s^2$

### EMC

According to EN50121-3-2



Picture may differ from actual device

### Signal contact

Remote on/off potential-free, max.  $150V_{DC}/10mA$   
Signal 1 pole switch, max.  $250V_{AC}/1A$   
LED green power good  
LED red overload, short-circuit, excess  
temperature and internal faults

### Mechanical data

Case material sheet steel, zinc-plated  
Dimension  $600 \times 270 \times 170$  mm (W x D x H)  
Weight approx. 10 kg  
Protection IP 20  
Cooling forced ventilation,  
fan speed depends on temperature

### Connecting terminals

Input: -X1 Phoenix Power CombiCon, male,  
PC6/3-GF-10-16 /  $10mm^2$ ,  
with locking device  
Remote on/off: -X2.1 Wago cage spring clamps,  $2,5mm^2$   
2 pole  
Signal: -X2.2 Wago cage spring clamps,  $2,5mm^2$   
3 pole  
Output: -X3 Wago cage spring clamps,  $2,5mm^2$ ,  
4 pole

### Warranty

24 months

### Order Code

INVR2000-110-230-K2