

DC-AC Converter INVR2000-110-230-K3

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. $U_N = 110V_{DC}$
Input range 77 - 154V_{DC} (0,7 - 1,4 x U_N)

Output

Output voltage nom. 230V_{AC}, 1-phase
Output frequency 50Hz
Voltage stability $\pm 5\%$
Efficiency $> 86\%$
Output power max. 2000VA/1600W
Output current nominal 6,95A
Short circuit current I_{SC} = 20A
Power factor 0.8
Load range 0-100%
Crestfactor $> 2,5$
Harmonic distortion $< 2\%$
Overload capability 1,50 x P_{NOM} for 3 seconds

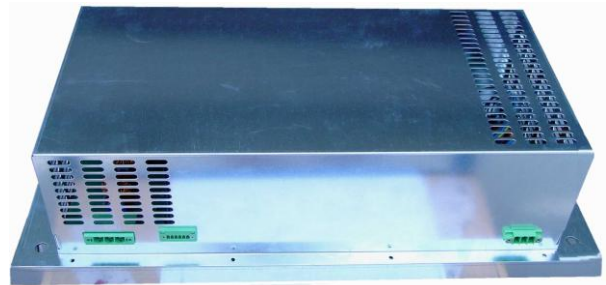
Restart after overload after 30 seconds

Ambient conditions

Operating temperature -40°C to +70°C, meets 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



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 overvoltage, fan failure, excess temperature and short circuit

Mechanical data

Case material sheet steel, zinc-plated
Dimension 600 x 270 x 170 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 Phoenix Power Combi Con, male,
PC6/3-GF-10-16 / 10mm²,
with locking device
Remote on/off: -X2.1 Wago cage spring clamps, 2,5mm²
2 pole
Signal: -X2.2 Wago cage spring clamps, 2,5mm²
3 pole
Output: -X3 Wago cage spring clamps, 2,5mm²,
4 pole

Warranty 24 months

Order Code INVR2000-110-230-K3