DC-AC Converter INVR2000-110-230-K2
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 +/-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 +55°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

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. 9.85 kg
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-K2

Picture may differ from actual device