DC-AC Converter INVR2000-24-230-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. \( U_N = 24\text{V DC} \)
Input range 16.8 to 32.7V

Output
Output voltage nom. 230\text{V AC}, 1-phase “floating”
Output frequency 50Hz
Voltage stability +/-5%
Efficiency >86%
Output power max. 2000VA/1600W
Output current nominal 6.95A
Short circuit current \( I_{SC} = 18\text{A} \)
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 -25°C to +70°C, acc. EN50155
Rel. humidity <75% average per year
Shock and vibration acc. to EN 61373 B

EMC
According to EN50121-3-2

Signal contact
Remote on/off potential free, 16-34\text{V DC}/10mA
Signal 1 pole switch, max. 250\text{V 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 525 x 290 x 143 mm (W x D x H)
Weight approx. 10.0 kg
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, 2,5mm²
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

Picture may differ from actual device

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Self-locking nuts must be used for fastening of the device, with maximum 8Nm moment of force.