Power Innovation
Stromversorgungstechnik GmbH

let's talk!

DC-AC Converter INVR2000-110-230-K3

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}
Voltage range	± 20%, temporarily ± 40%, acc. to EN 50155

Output

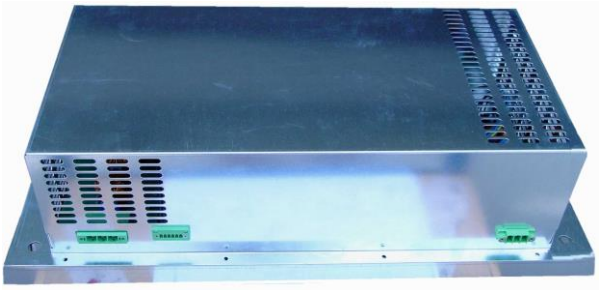
Output voltage nom.	230V_{AC}, 1-phase
Output frequency	50Hz
Voltage stability	+/-5%
Efficiency	>86%
Output power max.	2000VA/1600W
Short circuit current	I_{SC} = 20A
Power factor	0.8
Load range	0-100%
Crestfactor	>2,5
Harmonic distortion	<2%
Overload capability	1,50 x P_{NOM} for 3 seconds
Restart after overload	after 30 seconds

Ambient conditions

Operating temperature	-40°C to +70°C, meets EN 50155
Rel. humidity	<75% average per year
Shock and vibration	acc. to EN 50155, „mounted into frame“ frequency range: 5-150Hz transition frequency: 8,2Hz
Oscillation amplitude	below transition frequency: 7,5mm
Acceleration amplitude	above transition frequency: 20m/s²

EMC

According to	EN 50121-3-2



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, internal faults

Mechanical data

Case material	sheet steel, zinc-plated
Dimension	600 x 270 x 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 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

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