



MPF 450 3 K 01

Application: Railway

INVERTER 450VA

INPUT RANGE VOLTAGE : 72 Vdc
50 Vdc to 90Vdc

OUTPUT VOLTAGE : 230Vac line-line 50Hz
3 phases

OUTPUT POWER : 450VA



ELECTRICAL SPECIFICATIONS

Input

Input range : 50 to 90Vdc

EMI filter: Yes
Inrush current : 7A at Ve min
Dielectric withstand :
Input+ output +Control / Earth : 1500Vac 1mn
Input + control / output : 1500Vac 1mn

Insulation :
Input+ output +Control / Earth : 1 Mohm /500Vdc
Input + control / output : 1 Mohm /500Vdc

Efficiency : 68% typical at 115Vac 25Hz
85% typical at 230Vac 50Hz

Output

AC Output 3 phases sinus
set up high speed : 230Vac 50Hz line-line
set up low speed : 115Vac 25Hz line-line
Frequency stability : ± 1 Hz
Load : Fan motor
Nominal output Power : 450VA
RMS Output Power : 200W
Peak output current : 1,5 In during 1 minute
Output frequency : 25 or 50Hz
Control of U/F = constant

Short circuit current : Yes

Thermal protection : Yes

Output signals :

Input low speed : If the signal is ON, the output voltage is 115V under 25Hz

Faults signals :
by dry contacts
Over current
Over temperature
Low input voltage
Short circuit
Detection of earth leakage current

CONNECTOR

Connector : 2 x DIN 41612 H15

SIZES : 6U x 16TE x 160mm

ENVIRONMENTAL

Humidity: <80% non-condensing
Storage Temperature: -25° to +60°C
Cooling : Cooling is by external fan
Ambient Operating Temperature: -25 to +40°C. class T1
Protection index IP030
Vibrations : 5g

SAFETY

EN 50 155 NF 16102

STANDARDS

NF EN 50 155
Pr EN 50 121-3-2
Pr EN 50 207

