



STO 1K8 1 Z 01

Application: Railway

INPUT RANGE VOLTAGE: 3 PHASES 400VAC
(from the 1500V/530V converter)
OUTPUT VOLTAGE: 230VAC @ 1.5KVA
SIZES: 485 x 140 x 220 mm
STANDARDS : EN50 155, EN5121-3-2



INPUT SPECIFICATIONS

Nominal Input voltage:.....3 X 400VAC
Range:.....342VAC to 550VAC
(Compatible with the output voltage of the 1500/530V converter)

Over voltage protection:.....1300V

OUTPUT SPECIFICATIONS

Voltage	VO
Nominal	230VAC
Line + Load	±1,5%
Nominal Frequency	50Hz
Tolerance	±1%
Form	Sinus
Power	PS
Nominal	1500VA
Cos φ	0.7

Efficiency at 380VAC:.....≥ 85%

Switching frequency:.....> 25kHz

Overload protection:.....Yes

Sinus distortion:.....<2%

Led indicators:.....Input voltage OK (green LED)
.....Fail inverter (Red LED)

MECHANICAL SPECIFICATIONS

Presentation:.....Aluminium casing + heat sink
Sizes:.....485 x 140 x 220mm
Weight:.....≤ 9Kg

CONNECTOR

Input/Output:.....clip faston 6.35

RELIABILITY

MTBF (Relevantly to "UTE C80810 » to 40°C): ...> 90.000 hours

INSULATING RESISTANCE

Input + Output/Box:.....> 100MΩ (500Vdc)

DIELECTRIC STRENGTH

Input + Output/Mass:.....1900Vac
Input / Output:.....1900Vac
Ground continuity:.....R ≤ 100mΩ

ENVIRONEMENT

Ambient Running Temperature:.....-25°C to +70°C

Storage Temperature:.....-40°C to +85°C
Humidity at 40°C:.....95 %

STANDARDS

This product is compliance to the following standards :
EN 50155, EN 50121-3-2, EN61000-4-3 à 4-6, STM-E-001,
STM-E-002, NFF 67-001-0 à 6, NFF 01-510, CEI-98-801-4

