

SVG-3WF-100k-480

SVG-3WF-100k-480

Code: R7NST5. **DESCATALOGADO**

> static var generator
> System: 3 wires
> 230...480 V
> Q (kvar): 100
> Phase current: 145
> EMI filter: 1

Description

SVG Static Var Generator are the most accurate reactive power compensation solution, for both unbalanced three-phase systems and facilities with inductive and capacitive reactive power. It can be used in three-phase industrial, commercial or service installations and is not affected by the harmonics of the installation. A system with greater safety and very little maintenance. In this series, the racks are mounted in the standard cabinets available on the market and are designed for ease of installation.

The following features and functions are implemented:

- Reactive power compensation (inductive/capacitive) of 100 to 200 kvar per cabinet
- Compact rack-type module for ease of installation in standard cabinets.
- Voltage and frequency multi-range (50/60 Hz)
- Immunity to harmonic currents.
- Cosφ range of 0.7 inductive...1...0.7 capacitive.
- Online operation monitoring
- Protection module included

If higher power factor correction capacities are required, up to 100 units can be connected in parallel.

Application

The perfect solution for individual loads or facilities with a large number of single-phase or three-phase loads, both inductive and capacitive. Also for facilities where the load fluctuates over short periods of time, e.g. loads from bridge cranes, welding kits, lifts, drilling/grinding operations, and data centres.

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



SVG-3WF-100k-480

Static Var Generator

Code: R7NST5.

Specifications

AC power supply

Frequency	50 / 60 Hz ±5 %

Electrical characteristics

Voltage THD	25%
Maximum phase current	145 A (RMS)
Maximum neutral current	145 A (RMS)
Voltage	230 - 400 V ph-ph (±10 %)

Mechanical characteristics

Size (mm) width x height x depth	600 x 1836 x 822 (mm)
Connection type	Network (power supply): toe, Current: 6-pole connector, RS-485: 3-pole connector, Ethernet: RJ-45
Weight (kg)	206

Environmental characteristics

Protection class	IP 21 (other, please consult)
Relative humidity (without condensation)	0 ... 95 %
Storage temperature	-20 ... +50 °C
Working temperature	-10 ... +45 °C

Current measurement circuit

Consumption	1,5 VA por transformador
Maximum input current consumption	4000 W / 8000 W
Transformation ratio	3 or 2x transformer: 5/5A ... 5000/5A Class 1 or better (0,5 – 0,2- 0,2S) Frequency response up to 2500Hz / 3000 Hz (60 Hz)

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Category 2
Standards	UNE-EN 62477-1, UNE-EN 55011, IEC 61000-6-2, IEC 61000-6-4, IEC 61439-1

User interface

Display type	Touch 3.5" color

Features / performance

Reactive power compensation (Kvar)	Selectable: 0.7 inductive ... 0.7 capacitive
Filtering / Response time	20 ms
Parallel assembly/installation	Up to 100 units, with different gauges. CTs connection only to the "master" unit



SVG-3WF-100k-480

Static Var Generator

Code: R7NST5.

Advanced management algorithm: Maximizes the life of the devices (alternate operation of devices). Maximises operational efficiency (Only the necessary filters are activated). Allows redundancy (system operation in the event of device malfunction).

Please contact our technical department for networks with high THD(V) levels

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.