



## 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

### Specifications

#### AC power supply

|           |                      |
|-----------|----------------------|
| Frequency | 50 / 60 Hz $\pm$ 5 % |
|-----------|----------------------|

#### Electrical characteristics

|                         |                                 |
|-------------------------|---------------------------------|
| Voltage THD             | 25%                             |
| Maximum phase current   | 145 A (RMS)                     |
| Maximum neutral current | 145 A (RMS)                     |
| Voltage                 | 230 - 400 V ph-ph ( $\pm$ 10 %) |

#### Mechanical characteristics

|                                       |   |
|---------------------------------------|---|
| Size (mm) width x height x depth      | 600 x 1836 x 822 (mm)   |
| Torque setting                        | Network (power supply): 6 Nm / Current: < 0.8 Nm / RS-485 communications connector: 0.5 ...0.6 Nm |
| Communications cable cross-section    | 2,5 mm <sup>2</sup> máx.  |
| Cable gauge at power supply terminals | Grid: 35 mm <sup>2</sup> toe cap  |
| Cable gauge at current terminals      | 2,5 mm <sup>2</sup> máx.  |
| 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)<br>Frequency response up to 2500Hz / 3000 Hz (60 Hz) |

#### Communications

|                    |   |
|--------------------|---|
| Stop bits (ModBus) | 1 |
|--------------------|---|



## SVG-3WF-100k-480

Static Var Generator

Code: R7NST5.

|          |   |
|----------|---|
| Protocol | Modbus RTU                                |
| Type     | Modbus RTU / Ethernet: TCP/IP, Modbus TCP |
| Speed    | 9600                                      |

### 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 |

### Features / performance

|                                    |   |
|------------------------------------|---|
| Reactive power compensation (Kvar) | Selectable: 0.7 inductive ... 0.7 capacitive  |
| Filtering / Response time          | 20 ms   |
| Parallel assembly/installation     | Up to 100 devices/racks CTs connection only to the "master" unit 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). |



## SVG-3WF-100k-480

---

Static Var Generator

Code: R7NST5.