Circutor

SVG-3WM-100k-480

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Code: R7NSTM.

> static var generator
> System: 3 wires
> 230...480 V
> Q (kvar): 100
> Phase current: 145
> EMI filter: 0

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	435 x x 257 (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 mm² máx.
Cable gauge at power supply terminals	Grid: 35 mm2 toe cap
Cable gauge at current terminals	2,5 mm² max.
Connection type	Network (power supply): toe, Current: 6-pole connector, RS-485: 3-pole connector, Ethernet: RJ-45

Environmental characteristics

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

Communications

Stop bits (ModBus)	1
Protocol	Modbus RTU
Type	Modbus RTU / Ethernet: TCP/IP, Modbus TCP

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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).

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