



SVGm-3WF-100C-690

SVGm-3WF-100C-690, Static Var Generator with multilevel technology

Code: R4P5F2.

- > EMI filter: 1
- > System: 3 wires, 500 ... 690 V
- > kvar (500 V): 72
- > kvar (690 V): 100
- > Phase current: 84
- > Use voltage (V): 690
- > kvar (550 V): 79

Specifications

AC power supply

Installation category	6 kV, CAT III Class 1
Consumption	2200 W (max.)
Frequency	50 / 60 Hz $\pm$ 5 %
Nominal voltage	230 ... 690 V~ F-F ($\pm$ 10 %)

Mechanical characteristics

Size (mm) width x height x depth	608 x 1890 x 812 (mm)
Noise	< 70 dBA
Weight (kg)	192

Environmental characteristics

Protection class	IP 21 / IK10 (IP 41 on demand)
Relative humidity (without condensation)	0 95 %
Storage temperature	-20 ... +50 °C
Working temperature	-10 ... +45 °C

Electrical characteristics

Conditional short-circuit current (Icc)	40 kA
Rated peak current Ipk	84 kA pico
Maximum phase current	84 A (RMS)
Rated diversity factor (RDF), simultaneity	1
Earthing system	TN, TT

Current measurement circuit

Consumption	1,5 VA por transformador
Transformation ratio	Transformer: 5/5A ... 5000/5A

Communications

Fieldbus	RS-485
Protocol	Modbus/RTU
Speed	9600 Bd



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Standards

Electrical safety, Maximum height (m)	5000
Electrical safety, Contamination level/class	Category 2
Standards	IEC 61000-6-4, UNE-EN 55011, IEC 61000-6-2, IEC 62477-1, IEC 61439-1, IEC 60721-3-3 (Indoor conditioned)

Features / performance

Reactive power compensation (Kvar)	Selectable: 0.7 inductive ... 1 ... 0.7 capacitive
Filtering / Response time	< 100 µs
Parallel assembly/installation	Up to 100 devices of different caliber. Connection of transformers only in Master unit.

SVGm

CODE	TYPE	System	kvar (230 V)	kvar (400 V)	kvar (440 V)	kvar (480 V)	kvar (500 V)	kvar (690 V)	Phase current
3 wires 480 V, Wall-mounted cabinet									
R4P3M0.	SVGm-3WF-30M-480	3 wires, 230...480 V	17,4	30	30	30	-	-	44
R4P3M6.	SVGm-3WF-075M-480	3 wires, 230...480 V	43,1	75	75	75	-	-	110
R4P3M2.	SVGm-3WF-100M-480	3 wires, 230...480 V	57,5	100	100	100	-	-	145
4 wires 400 V, Wall-mounted cabinet									
R4P4MA.	SVGm-4WF-020M-400	4 wires, 230...400 V	12	20,7	-	-	-	-	30
R4P4ML.	SVGm-4WF-050M-400	4 wires, 230...400 V	30	51,7	-	-	-	-	110
R4P4MC.	SVGm-4WF-069M-400	4 wires, 230...400 V	40	69	-	-	-	-	100
3 wires 480 V, Floor-mounted cabinet									
R4P3F2.	SVGm-3WF-100C-480	3 wires, 230...480 V	57,5	100	100	100	-	-	145
R4P3F3.	SVGm-3WF-200C-480	3 wires, 230...480 V	115	200	200	200	-	-	290
R4P3F4.	SVGm-3WF-300C-480	3 wires, 230...480 V	172,5	300	300	300	-	-	435
R4P3F5.	SVGm-3WF-400C-480	3 wires, 230...480 V	230	400	400	400	-	-	580
3 wires 690 V, Floor-mounted cabinet									
R4P5F2.	SVGm-3WF-100C-690	3 wires, 500 ... 690 V	-	-	-	-	72	100	84
R4P5F3.	SVGm-3WF-200C-690	3 wires, 500 ... 690 V	-	-	-	-	144	200	168
R4P5F4.	SVGm-3WF-300C-690	3 wires, 500 ... 690 V	-	-	-	-	216	300	210
R4P5F5.	SVGm-3WF-400C-690	3 wires, 500 ... 690 V	-	-	-	-	288	400	280
4 wires 400 V, Floor-mounted cabinet									
R4P4FC.	SVGm-4WF-069C-400	4 wires, 230...400 V	40	69	-	-	-	-	100
R4P4FD.	SVGm-4WF-138C-400	4 wires, 230...400 V	80	138	-	-	-	-	200
R4P4FE.	SVGm-4WF-207C-400	4 wires, 230...400 V	119,1	207	-	-	-	-	300
R4P4FF.	SVGm-4WF-276C-400	4 wires, 230...400 V	-	276	-	-	-	-	400
4 wires 550 V, Floor-mounted cabinet									



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R4P6FG.	SVGm-4WF-067C-550	4 wires, 440 ... 550 V	-	-	53	58	-	-	70
R4P6FH.	SVGm-4WF-134C-550	4 wires, 440 ... 550 V	-	-	106	116	-	-	140
R4P6FJ.	SVGm-4WF-201C-550	4 wires, 440 ... 550 V	-	-	159	174	-	-	210
R4P6FK.	SVGm-4WF-268C-550	4 wires, 440 ... 550 V	-	-	212	232	-	-	280
Rack module									
R4P3R2.	SVGm-3WF-100R-480	3 wires, 230...480 V	57,5	100	100	100	-	-	145
R4P4RC.	SVGm-4WF-069R-400	4 wires, 230...400 V	40	69	-	-	-	-	100



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Dimensions



Connections

