



AFQe - 4WS - 100R - 400

AFQe-4WS-100R-400

Code: R7QR0D. (CONSULTAR DISPONIBILIDAD)

- > Active filter rack module
- > System: 4 wires
- > 400 V
- > Phase current: 100
- > Peak current: 200
- > Max.neutral current: 300

Specifications

AC power supply

Installation category	4 kV, CAT III Class 1
Consumption	4000 W
Frequency	50 / 60 Hz ($\pm 5\%$)
Nominal voltage	230 ... 400 Vca F-F ($\pm 10\%$)

Mechanical characteristics

Size (mm) width x height x depth	260 x 480 x 500 (mm)
Envelope	Galvanized steel 1,5 mm
Torque setting	RS-485: 0,5 ... 0,6 Nm / Current: 0,5 ... 0,6 Nm / Grid: 8 ... 10 Nm / Earth: 10 ... 14 Nm
Communications cable cross-section	RS-485: 2,5 mm ²
Cable gauge at power supply terminals	Grid: \varnothing 23 mm
Cable gauge at current terminals	2,5 mm ²
Connection type	Network / Ground: M8 / M10 terminals, Current: 6-pole connector, RS-485: 3-pole connector, Ethernet: RJ-45
Weight (kg)	70

Environmental characteristics

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

Electrical characteristics

Current crest factor	2:1
Maximum phase current	100 A (RMS)
Maximum neutral current	300 A (RMS)
Earthing system	TN, TT

Current measurement circuit

Consumption	1,5 VA x 3
Sampling frequency	... 2500 / 3000 Hz (50 / 60 Hz)



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Active parallel multi-function filter

Code: R7QR0D.

Transformation ratio	5 ... 5000 / 5A
Communications	
Fieldbus (ModBus)	RS-485
Protocol	Modbus RTU / Ethernet: TCP/IP, Modbus TCP
Speed	9600
Standards	
Electrical safety, Maximum height (m)	2000
Electrical safety, Contamination level/class	Pollution resistance 2
Standards	IEC 61000-6-4 , UNE-EN 55011 , IEC 61000-6-2 , IEC 62477-1 , IEC 61439-1
User interface	
Display type	TFT color, 3.5" touchscreen
Measurement accuracy	
Voltage harmonics (THD)	25 % (max)
Features / performance	
Phase compensation	Selectable
Reactive power compensation (Kvar)	Selectable
Filtering / Response time	2° ... 50° harmonic (selectable) / < 100 µs
Parallel assembly/installation	Up to 100 units, with different gauges. Transformer connection only to the Master unit
Priority scheduling	Selectable
Power supply output	
Power	69000 VA