

AFQs-3WF-030M

AFQs-3WF-030M, Active multifunctionfilter, 3 wires

Code: R7MS0F.

> System: 3 wires, 208...480 V
> Phase current (A): 30
> Peak current (A): 60
> Mounting: Wall-mounted

Description

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The new range of **AFQs** active filters is the most complete and compact solution to solve quality problems caused by harmonics in variable-speed drives and small-to-medium-power non-linear loads. Like other ranges, it can also be used in installations where a filter with these characteristics is required.

The implemented characteristics and functions are as follows:

- Tougher and more efficient in a smaller size.
- Easy to install due to its dimensions. It can be installed on the wall or inside cabinets next to variable-speed drives.
- Reduces harmonic currents up to the 50th-order harmonic.
- Selectable harmonic frequencies to achieve the maximum filtering efficiency.
- Nominal filtering capacity for currents of 30 A.

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Application

Ideal solution for installation in electrical panels that contain variable-speed drives or other low-to-medium-power non-linear loads. Designed to filter harmonics directly at the machine or in installations that require a filter with these characteristics. Machine to machine compensation.



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Specifications

AC power supply

Frequency	50 / 60 Hz (± 5 %)
Nominal voltage	3x200 ...480 V~ ±10%

Mechanical characteristics

Size (mm) width x height x depth	205 x 490 x 201 (mm)
Envelope	Galvanized steel 1,5 mm
Noise	LpA:< 60 dB(A) UNE EN ISO 11201:2010 V2
Connection type	Network / Ground: M6 terminals, Current: 6-pole connector, Ethernet: RJ-45
Weight (kg)	14

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	0 ... 95 %
Storage temperature	-20 ... +55 °C
Working temperature	-10 ... +55 °C

Electrical characteristics

Current crest factor	2:1
Maximum phase current	30 A (RMS)
Earthing system	TN, TT

Current measurement circuit

Transformation ratio	5/5A ... 20000 / 5A

Communication Network

Protocol	TCP/IP, Modbus TCP
Technology / Interface	Ethernet

Standards

Electrical safety, Maximum height (m)	3000 (ver guía / see guide)
Electrical safety, Contamination level/class	2
Standards	IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4,UNE-EN 60068-2-1, UNE-EN 60068-2-2, UNE-EN 60068-2-78, UNE-EN 60068-2-64, UNE-EN 60068-2-6

User interface

Display type	TFT color, 4.3" touchscreen

Measurement accuracy



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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

AFQs
Active multifunction filter

CODE	TYPE	System	Phase current (A)	Peak current (A)	Max.neutral current (A)
3 wires 480 V, Wall-mounted cabinet					
R7MS0F.	AFQs-3WF-030M	3 wires, 208...480 V	30	60	-

Please contact our technical department for networks with high THD(V) levels.
All equipment has built-in EMI filters



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Dimensions



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