HOW HARD CAN TUNING BE?

MSc ACTIVE HARMONIC FILTER

MSc AHF 100 is a compact, small-sized and cost-effective active harmonic filter which especially has been designed and optimized for harmonics elimination of 3-phase loads such as frequency converters, UPS`s and rectifiers.

MSc AHF 100 is easy to install and use and it is ready for the operation right away after the installation. No active filter specialist is needed for commissioning.

MSc AHF 100 has 100 Arms compensation current capacity and it is parallel connectable without any limitations.

Just plug and play. Just plug and play.

MSc ACTIVE HARMONIC FILTER

OPERATION

The basic idea of the MSc active harmonic filter is simple: to generate opposite harmonics towards the existing interfering harmonics in the network and tackle them. Quick action, compact size and modularity describe extremely well the new active harmonic filter made by MSc. For the end user, investment for an active harmonic filter means enhanced energy efficiency and bringing reliability and continuity of service to a higher level, thus shortening the payback time.

TECHNICAL DATA

MODEL	MSc AHF 100
Electrical data	
Compensation current capacity	100 Arms
Nominal voltage	208-480 Vac
Nominal frequency	50/60 Hz
Number of phases	3
Connection type	3 phase without neutral
Switching frequency	10 kHz
Modularity	parallel connectable without limitation
Response time	<1 ms
Current measurements	3 x 200A/5A CT inputs
Power dissipation	< 3% of the rated power
Noise level	< 70 dB
I/O connections	
Potential free contact	Fault, 24 Vdc / 230 Vac, 1 A
Digital input	Remote ON/OFF
LED panel	Errors, Run
General data	
Dimensions (wxhxd) in mm	235 x 880 x 350
Weight (kgs)	60
Cooling	forced air cooled
Operation temperature	-10C-+40C
Enclosure	IP 20
Standards	
EMC immunity	EN 61000-6-2
EMC emissions	EN 61000-6-3, EN 55011B
Electrical safety	EN 61800-5-1

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