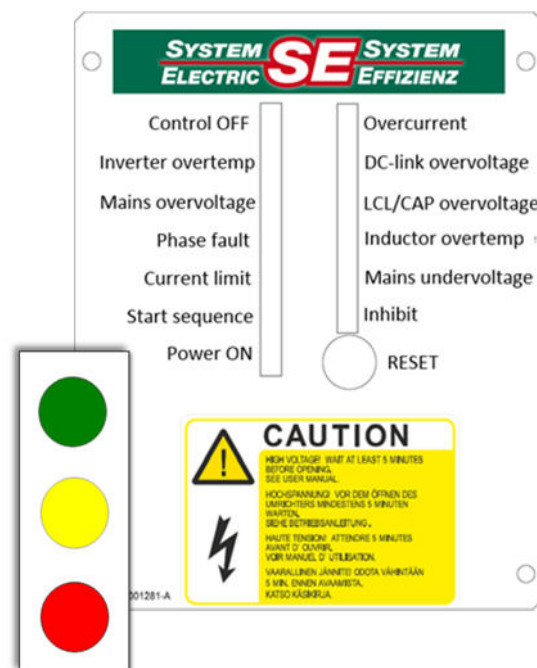




Modular Active Harmonic Filter SE-AHF 100

SE-AHF 100 ist der kompakteste, stückgeprüfte und anschlussfertige Active Harmonic Filter für 3 und 4 Leiter-Anwendungen mit einer Kompensationsleistung bis 100A. Im Parallelbetrieb können beliebig viele Module aneinander gereiht werden.

SE-AHF 100 is the most compact, routine tested, ready for installation Active Harmonic Filter for 3 or 4 wire application up to 100A compensations current capacity per module. In parallel, you can add as many modules as you need.



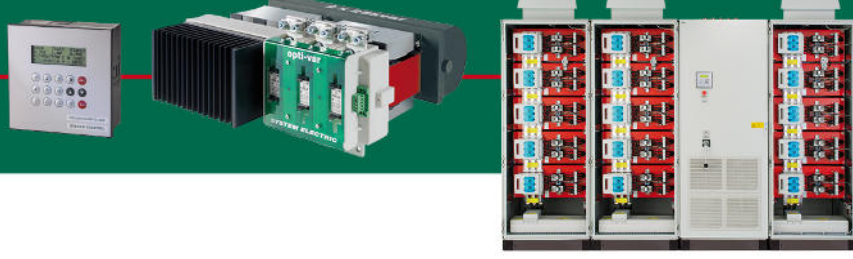
Keep it green!

Plug & Play in 3 Schritten

- Anschluss Spannungsversorgung nach Installation des SE-AHF's.
- Einschalten des SE-AHF's.
- SE-AHF startet automatisch – weder Parametrierung noch Programmierung notwendig.

Plug & Play in 3 steps

- Connect voltage after installation to SE-AHF.
- Switch ON the SE-AHF.
- SE-AHF starts automatically to operate – no settings or programming needed.



Funktionsweise

SE-AHF 100 – erzeugt entgegengesetzte Oberschwingungen zu den Netzharmonischen (von der 3-ten zur 50-zigsten).

OPERATION

SE-AHF 100 – generates opposite harmonics to the network harmonics (from 3rd to 50th).

TECHNICAL DATA

Electrical data	AHF 100-3 and AHF 100-4
Compensation current capacity	100 A
Mains nominal voltage	208-480 Vac +/- 10% (exception: 480 V +5%) (100-4: at the moment 400 V only)
Nominal frequency	50/60 Hz
Number of phases	3
Connection type	100-3: 3 phase without neutral 100-4: 3 phase with neutral
Switching frequency	10 kHz
Modularity	parallel connectable without limitation
Response time	<1 ms
Current measurements	3 x 200A/5A/3VA CT inputs (open loop)
Power dissipation	< 3% of the rated power
Noise level	< 80 dB
I/O connections	
Potential free contact	Fault, 24 Vdc / 230 Vac, 2 A Current limit, 24 Vdc / 230 V, 2 A
Digital input	ON/OFF/Reset
LED panel	Errors, Run
General data	
Dimensions (wxhxd) in mm	235 x 919 x 350 (3-wire) 235 x 1200 x 350 (4-wire)
Weight (kgs)	65 / 70
Cooling	forced air cooled
Operation temperature	-10°C+40°C
Enclosure	IP 20
Standards	
EMC immunity	EN 61000-6-2
EMC emissions	EN 61000-6-3, EN 55011B
Electrical safety	EN 61800-5-1

