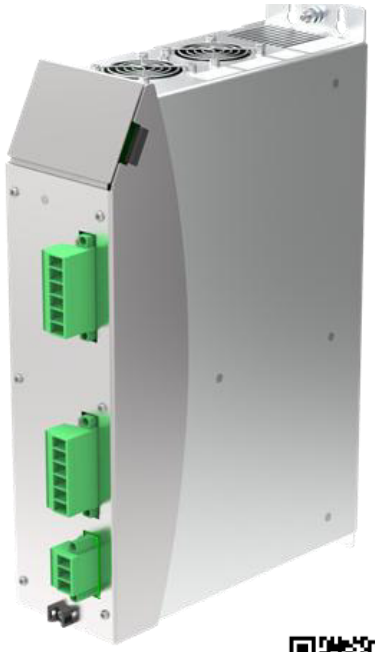
Modular Heating Controller

Induction generator 4 x 4.5 kW



The **MHS induction generator 4 × 4.5 kW** is a four-channel power controller for the independent supply of up to four Kendrion induction coils. It provides up to 4.5 kW per channel and a total of up to 18 kW of continuous power.
The device is operated on a three-phase mains with 400 VAC and 50/60 Hz. The MHS controller can be used to adjust the power for each channel independently in the range of 0 to 100%. The automatic operating point determination adjusts the operating frequency between 2 and 25 kHz to the connected inductor.
Integrated functions for power measurement, short-circuit detection and DC link monitoring support operation and diagnostics. Data communication with the MHS Controller takes place via CAN. Up to seven power amplifiers can be connected to an MHS controller.

Features

- Independent control of 4 induction coils
- Industrial-grade, rugged device design
- Control connection via MHS Controller
- Up to 7 power amplifiers can be connected to an MHS controller

Technical data	610 640 30 MHS Induction Generator 4 x 4.5 kW 0.9µF
Product no.:	201617
Load type	Kendrion induction coils.
Number of channels	4 channels individually controllable
Output power	4 x up to 4.5 kW, continuous power up to 18 kW (frequency/inductor dependent)
Working Frequency	2 ... 25 kHz, automatic operating point determination
Mains voltage	3 x 400VAC +10% /-15%; 50/60 Hz; Mains type TT or TN
Control Range	0 ... 100%, independent for each channel
Features	Integrated power measurement, short circuit detection, DC link monitoring, automatic frequency tuning
Modular bus	Data communication via CAN, electronics supply 24 VDC
Cooling	Forced air cooling, power dissipation approx. 250 W
Assembly	Prepared for installation on control cabinet mounting plates
Degree of protection	IP 20, device for mounting in a closed, metallic control cabinet
Housing, (H x W x D) [mm]	Book Size Sheet Steel Enclosure with Stainless Steel Cover, (451 x 105 x 313)
Operating Temperature	Ambient temperature in vertical installation position: 0°C ... 35°C
Certifications	CE, NRTL Certification by TÜV SÜD for UL61010-1:2012/ UL61010-2-201:2018

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