

Industrial Heater

Control Technology

Modular heating system

MHS Controller EtherCAT

The controller is a fieldbus device for the control of up to 7 power modules from the modular heating System from Kendrion, which are directly connected via the module bus. In addition to system monitoring, the controller can also control or regulate the individual output channels of all power modules. Actual temperature values can be delivered directly via CAN fieldbus or provided by a higher-level controller e.g. a PLC.

Extensive diagnostic options as well as integrated inputs and outputs enable fast commissioning.



Features

- CANopen Fieldbus interface
- Independent control of up to 7 induction generators
- System monitoring, temperature control
- Integrated I/Os and CAN system bus



Technical Data	MHS Controller EtherCAT
Fieldbus interface	CANopen (Addressing and speed via dip switches)
Interfaces	EtherCAT IN/OUT 1 x Ethernet 10/100Mbit (on request)
Module bus / module supply	CAN / 24 VDC, 2,5 A (max. 7 Module)
System bus	CAN, galvanically isolated (e.g. for the acquisition of temperature data)
Status indication	Heating system, CANopen, DC power supply
Functions	Temperature control, system monitoring, fieldbus communication, bus coupler for up to 7 MHS power modules, power control, Software update via SD card
Integrated I/O	on request: 8 x DI: input delay: 3 ms / 8 x DO 24V, 0,5 A, Short circuit protection
Housing	IP 20, module made of steel with stainless steel cover for use in a closed, metallic control cabinet
Assembly	Prepared for left-side mounting on the power module
Dimension (H x B x T)	451 mm x 44 mm x 286 mm
Supply voltage	24 V DC (-10% +25%); current consumption internal 0,5 A
Operating temperature	In vertical installation position: 0°C ... 35°C
Certifications	CE, cULus (in preparation)

NH3322

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