

Kuhnke FIO Stepper

## Stepper Control Module for up to three axes

The Kuhnke FIO Stepper Control module from Kendrion allows the control of 3 axis with up to 32 micro steps. For each motor, it offers 2 outputs for the motor phases A and B, 1 break output, 1 input for reference switches, 2 inputs for limit switches as well as the motor supply in the voltage area from 12 to 48 V DC. The configuration of the motor can comfortably be realized via a CAN over EtherCAT (CoE). Using the Stepper Control module, 3-axis gantries can be controlled with only one module. The Stepper Control module is accordingly the price optimized alternative to the function optimized FIO Drive Control module.

### Features

- Control of 3 stepper motors incl. brakes and limit switches
- Extendable with all Kuhnke FIO modules
- Motion commands following DS402



### Technical Data

Type	Kuhnke FIO Stepper Control
Order no	694 454 56
Outputs	3 x Stepper motor with up to 32 Micro steps
Current	Per motor 1,8 A <sub>eff</sub>
Load supply	12 ... 48 V DC
Max. switching frequency	21 kHz
Digital Outputs	3 x 0,5 A (Break output or standard output) 1 x 0,5 A (Standard output)
Digital Inputs	9 x 0,1 ms (for 2 limit switches and 1 reference for each Stepper output)
Fieldbus	EtherCAT® 100 Mbit/s LVDS: E-Bus
Mounting	35 mm DIN-Rail
Indication	LED, assigned to the clamping point locally
Shield connection	Directly at module
I/O connection	Spring- loaded plug with mechanical ejection. 36-pole
Ambience conditions	0 °C ...+50 °C, IP 20, Interference immunity Zone B per EN 61131-2
Housing (W x H x D)	Aluminum, plastic, 25 x 120 x 90 mm
Certifications	CE, cULus prepared

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