

Kuhnke FIO MIX 02

## EtherCAT®- Multifunctional Bus Terminal

This module series combines many different I/O signals to an intelligent module, saving the limited space in the control cabinet and reducing the variety of modules required in an EtherCAT® system. Under the system name FIO MIX complements the series of highly compact and multifunctional I/O modules the Kuhnke EtherCAT I/O family.

The Kuhnke FIO MIX 02 module bases on a customer-specific development. It provides on the one hand 4 fast digital inputs whereof one can be used as an interrupt input and another one as a counter, and on the other hand 24 digital outputs. Additionally, there are 4 analogue voltage inputs and a RS485 interface for data exchange available.



### Integrated functions:

- Functions selectable by using CODESYS V3 libraries
- Signal preprocessing on the module
- Customizing possible

### Technical Data

Type	Kuhnke FIO Mix 02
Order no.	694 444 62
Digital inputs	4 DI (partly configurable): 1 x DI as interrupt input (0,1 ms) 3 x DI (0,001 ms), optionally therof 1 DI as counter (0,5 -1 MHz) usable
Digital outputs	24 DO (partly configurable): max. 6 A sum current 8 x DO, 0,5 A 16 x DO, 0,1 A
Analogue inputs	4 AI (configurable): 0 ... 10 V or as digital inputs (1ms) usable
Serial interface	1 x RS485 (galvanically isolated) sample rate 1ms, 2,4...921,6 kBit/s
Power supply	24 VDC (-20% / +25%)
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
Ambience conditions	0 °C...+55 °C, IP 20, Interference immunity Zone B acc. EN 61131-2
Housing (W x H x D)	Aluminium, plastic, 25 x 120 x 90 mm
Certifications	CE, cULus

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