Kuhnke FIO   **Control Technology**

Kuhnke FIO Coupler DI16/DO16

Extendable EtherCAT IO 16DI/16DO

This extremely compact module is an alternative solution for the existing module combination consisting of a Kuhnke FIO coupler and a Kuhnke FIO DI16/DO16 module offering a significant benefit in price and installation space. With its reduced E-bus supply of 2 A it is designed especially for smaller blocks of modules. The coupler part of the module converts the physical transfer technology (twisted pair) to LVDS (E-bus) and generates the system voltages required by the LVDS modules. Additionally, the module includes 16 digital inputs and 16 digital outputs. The Kuhnke FIO coupler 16DI/16DO can flexible be extended with further modules of the Kuhnke FIO IO series.

Features
- Compact EtherCAT IO with a width of only 42 mm
- 16 digital inputs and 16 digital outputs integrated
- Extendable with Kuhnke FIO modules
- Version with 8 digital in- and 8 digital outputs in preparation

Technical Data

Type	Kuhnke FIO Coupler DI16/DO16
Field bus connection	2 x EtherCAT® RJ45 In/Out
Extension modules	100 Mbit/s LVDS: via E-Bus
E-bus supply	Max. 2 A (ca. 11 modules)
Digital Inputs	16 x 3 ms input delay
Digital Outputs	16 x 0.5 A , max. 8 A in total
Supply voltage	24 V DC (-20% +25%)
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 per EN 61131-2
Housing (W x H x D)	Aluminum, plastic, 42 x 120 x 90 mm
Certifications	CE, cULus