Kuhnke FIO DO8 Relay NO
Relay Modules

The Kuhnke FIO relay modules from Kendrion have 8 relays with separated contacts. Each relay contact is available for voltages up to 230 V AC and can be used universally for switching devices requiring mains power. The relay output module is equipped with floating contacts and is thus additionally to applications in machine and tool building very well suited for use in the building and control technology. The common 24 V voltage supply of the relays is carried out separately, so that they can be integrated into an emergency stop circuit. Up to 5 amps resistive or 2 amps inductive load are switchable. The signal state of the EtherCAT terminals and each of the relays is indicated by LEDs, so that a local diagnosis can be performed quickly, e.g. during installation startup and operation of the machinery.

Technical Data

Type	Kuhnke FIO DO8 Relay NO 24V	Kuhnke FIO DO8 Relay NO 230 VAC
Order no.	694 452 03	694 452 04
Outputs	8 x 2 A (inductive) 24 V AC / V DC normally open contact / 8 x 5 A (resistive) 24 V AC / 24 V DC normally open contact	8 x 2 A (inductive) 230 V AC / 24 V DC normally open contact / 8 x 5 A (resistive) 230 V AC / 24 V DC normally open contact
Emergency stop function	24 V DC	
Max. switching power	500 VA / 60 W cos φ max. = 0,4; L/R max = 7 ms	
Max. switching frequency	30/min	
Min. Load	10 mA bei 5 V DC	
Min. operating cycles, mechanical	2×10^7	
Min. operating cycles, electrical	3×10^5 (2 A / 30 V DC)	
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 per EN 61131-2	
Housing (W x H x D)	Aluminum, plastic, 25 x 120 x 90 mm	
Certifications	CE, cULus	