

Kuhnke FIO Relay

Module with 8 potential-free N.O. contacts

The Kuhnke FIO relay module provides eight potential-free relay outputs and is suitable for switching 24 V DC and 230 V AC loads. With switching currents of up to 5 A for resistive loads and 2 A for inductive loads, it is designed for applications in mechanical and plant engineering as well as in building and control technology. The relays are operated via a separate 24 V supply and can therefore be easily integrated into safety and emergency stop concepts. Status LEDs for EtherCAT communication and relay states enable rapid diagnostics during commissioning and operation.

Features

- 8 potential-free relay outputs (NO contacts)
- Switching of 24 V DC and 230 V AC loads
- Up to 5 A resistive load per channel
- Up to 2 A inductive load per channel
- Separate 24 V supply of the relays
- Suitable for safety and emergency stop concepts
- Status display via integrated LEDs
- For mechanical engineering, plant engineering as well as building and control technology



Technical Data

Type	Kuhnke FIO DO8 Relay NO 230 VAC
Order no.	694 452 05
Outputs	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



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