KeConnect DO 242/B, DO 272/A
Digital output modules

Product features

- 8 or 14 digital outputs
- Short-circuit detection and diagnosis
- Permanently short-circuit proof
- Current load capacity 2 A at 50 % simultaneity
- Fast shutdown function for inductive loads
- Electronic parameter chip





Short description

Digital output modules DO 242/B and DO 272/A enable the connection of up to 14 digital outputs. The digital outputs switch the 24 V DC control signals of a central module galvanically isolated from the connected actuators and are designed for a load of up to 2 A at 50 % simultaneity.

The modules are equipped with a fast shutdown function that enables a rapid shutdown of inductive loads, e.g., hydraulic valves. Machine processes can thereby be accelerated and productivity increased.

The operational safety is ensured by the permanent short-circuit protection of the outputs. Should a short circuit occur, it is detected and reported to the control module.

These modules are attached directly to a CPU module or can be operated with all KEBA controls by means of bus couplers.

Digital outputs

	DO 242/B	DO 272/A
Number of outputs	8	14
Nominal voltage	24 V DC	
Processing time	1 ms	
Nominal current of digital outputs	2 A at 50 % simultaneity	
Galvanic isolation	Yes	
Status display	Orange LED	
Protection facility	Short-circuit protection	
Max. inductive load	1 J at max 0.2 Hz	

Dimensions, weight

Height	120 mm
Width	22.5 mm front plate / 32.5 mm incl. plug
Depth	100 mm
Weight	130 g

Environmental conditions

Operating temperature	+5 °C … +55 °C
Storage temperature	-40 °C … +70 °C
Relative air humidity	10 % to 95 % (non-condensing)
Vibration resistance / shock resistance	Acc. to EN 61131-2

General

	DO 242/B	DO 272/A
Supply voltage	24 V DC from front (nominal voltage tolerance: 19.2 V … 30 V, acc. to EN 61131-2) 24 V DC from K-bus, 5 V DC from K-bus	
Overvoltage category	II	
Protection class	III acc. to EN 61131-2	
Addressing on K-bus	Via 16-digit address switch, on the side	
Type of terminals	Open - pitch 5.08 mm	
Displays on the front plate	16 signal status LEDs	
Max. power consumption K-bus 24 V	2.1 W	2.1 W
Max. power consumption K-bus 5 V	0.4 W	0.4 W