

WAGO I/O System 750: Technical Datasheet

Item No: 750-501

2-Channel Digital Output Module; 24 VDC; 0.5 A; High-side switching

Description

This digital output module transmits control signals from the automation device to the connected actuators. All outputs are short-circuit-protected. Field and system levels are electrically isolated via optocouplers. The module automatically transmits field-side power (+24V and 0V) to downstream modules via power jumper contacts.

Technical Specifications

Parameter	Specification
Number of Digital Outputs	2 channels
Signal Type / Voltage	Digital / 24 VDC (-25 % ... +30 %)
Output Characteristic	High-side switching
Output Current (per channel)	0.5 A (short-circuit-protected)
Load Type	Resistive, inductive, lamp load
Switching Frequency (max.)	5 kHz
Current Consumption (internal system)	3.5 mA (5 VDC via data contacts)
Current Consumption (field supply typ.)	15 mA + load current
Isolation	500 V system / field
Connection Technology	CAGE CLAMP® (0.08 ... 2.5 mm² / 28 ... 14 AWG)
Dimensions (W x H x D)	12 x 64 x 100 mm (from upper edge of DIN 35 rail)
Operating Temperature	0 °C ... +55 °C
Status Indicators	Green LEDs (Status DO 1, DO 2)

Terminal Assignment & Wiring

- **Slot 1 (DO 1):** Digital output channel 1
- **Slot 5 (DO 2):** Digital output channel 2
- **Slot 2 & 6 (0 V):** Ground return for actuators (internally connected to 0V power jumper contact)
- **Slot 3 & 7 (LED):** Visual status green indicator channels 1 & 2