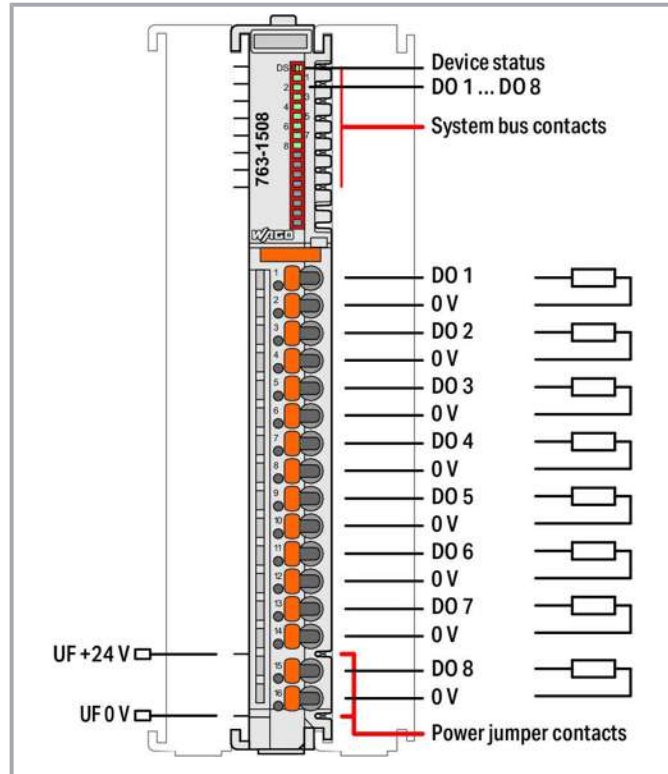


## Data sheet | Item number: 763-1508

8-channel digital output; 24 VDC 0.5 A; High-Speed

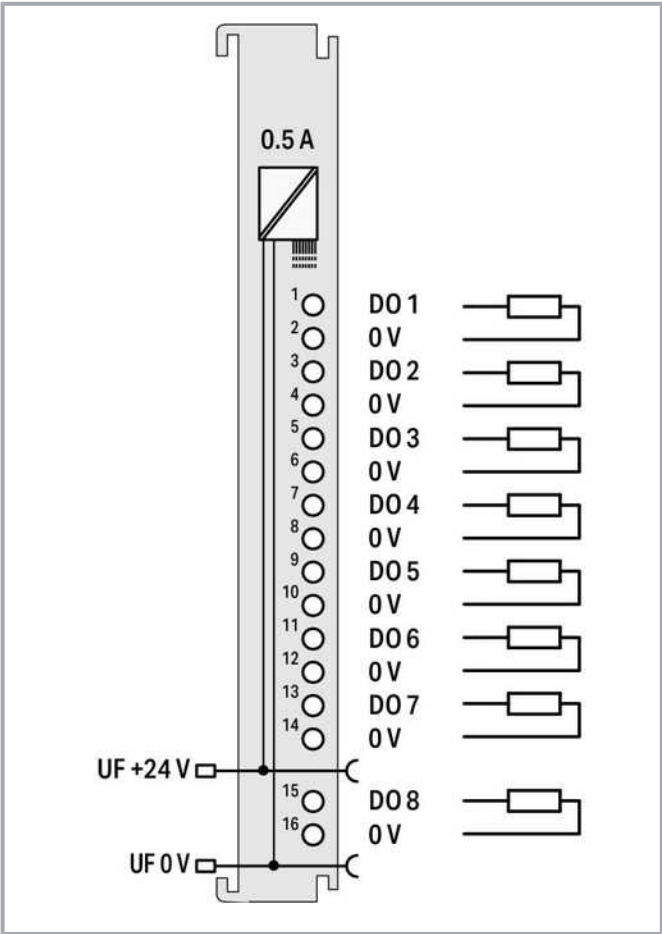
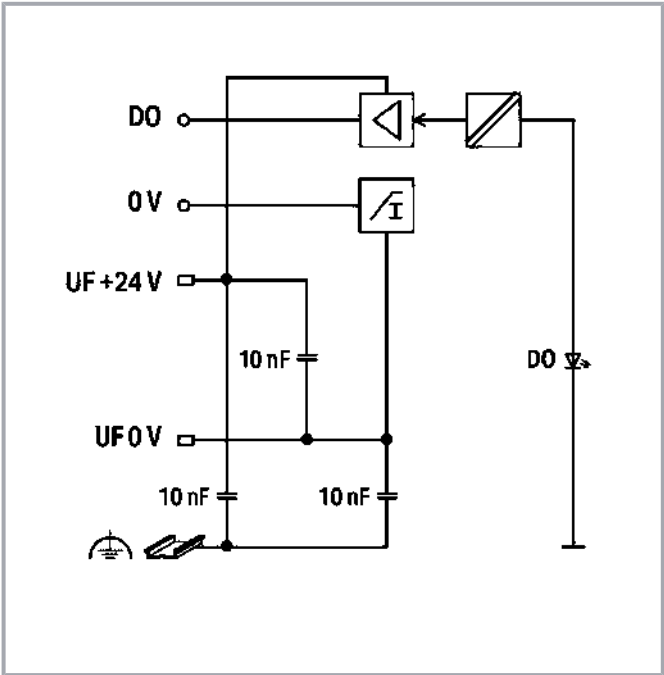
[www.wago.com/763-1508](http://www.wago.com/763-1508)



Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
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Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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Item description

This three-part digital output module is a 2-wire device featuring eight channels in a width of just 12 mm (0.47 inch). The module consists of a base module, an electronic module and a pluggable connector. It transmits binary control signals from an automation device to connected actuators (e.g., magnetic valves, contactors, transmitters, relays or other electrical loads). The module features Push-in CAGE CLAMP® connections, enabling solid conductors to be connected by simply pushing them in. A green LED indicates the signal state of each channel. Field and system levels are electrically isolated.

Data

Technical data

Device-specific	Synchronization mode: time-synchronized, freewheeling
Number of digital outputs	8
Number of Channels	8
Signal type	Voltage

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Signal type (voltage)	24 VDC
Actuator connection	8 x (2-wire)
Output characteristic	Semiconductor, push-pull
Output current per channel	0.5 A
Output current (module)	4 A
Protection against incorrect wiring	short-circuit-protected self-resetting
Switching frequency (max.)	15 kHz; Resistive load
Switching frequency (max.) (2)	3 Hz; Inductive load
Switching frequency (max.) (3)	500 Hz; Lamp load
Load type	Resistive: 48 $\Omega$ ... 16 k $\Omega$ , at 24 V; Inductive: DC13; Lamp load: up to 5 W
Output voltage	24 VDC
Load type of switching frequency	Resistive load
Delay time T <sub>on</sub> from 0 to 1	2 $\mu$ s
Delay time T <sub>off</sub> from 1 to 0	2 $\mu$ s
Data width	8-bit channel status
Supply voltage (field)	24 VSELV DC (-25 ... +30 %); UF
Current consumption, field supply (module with no external load)	24 mA
Power loss P <sub>I</sub>	1.6 W
Isolation, Field/System	min. 1000 VDC (1 min); per EN/UL 61010-2-201
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	12 A
Marking	CI I, Div. 2, Group A, B, C, D, T4

## Connection data

Connection technology: inputs / outputs	16 x Push-in CAGE CLAMP®
Connection type 1	Inputs/outputs
Solid conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Fine-stranded conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Note (conductor cross-section)	Insulated ferrule: 0.75 mm <sup>2</sup> (max.)

## Physical data

Width	12 mm / 0.472 inch
Height	105 mm / 4.134 inch

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Depth	75 mm / 2.953 inch
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## Mechanical data

Mounting type	DIN-35 rail
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## Material data

Fire load	0.062 MJ
Weight	73 g
Conformity marking	CE

## Environmental requirements

Ambient temperature (operation)	-25 ... +60 °C (Horizontal, typical control cabinet installation; -25 ... +50 °C, other mounting positions)
Surrounding air temperature (storage)	-40 ... +85 °C
Temperature range of connection cable per EN 61010-2-201	$\geq (T_{\text{ambient}} + 25 \text{ K})$
Temperature range of connection cable per UL 61010-2-201 (min.)	85 °C
Protection type	IP20
Pollution degree (5)	2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 3000 m (0.5 K/100 m)
Mounting position	horizontal, typical for control cabinets (nominal mounting position); horizontal (floor mounting position); standing (vertical at bottom)
Relative humidity (without condensation)	95 %
EMC immunity to interference	per EN 61000-6-1, -2
EMC emission of interference	per EN 61000-6-3, -4

## Commercial data

PU (SPU)	1 Stück
Country of origin VKOrg Germany	DE
GTIN	4055143975643
Customs tariff number VKOrg Germany	8537109170

## Approvals / Certificates

### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 121201	E198726

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Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)

#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV</b> DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA000031M

#### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

#### Installation Notes

#### Product family

**WAGO I/O System Advanced**  
Show all products from the family

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