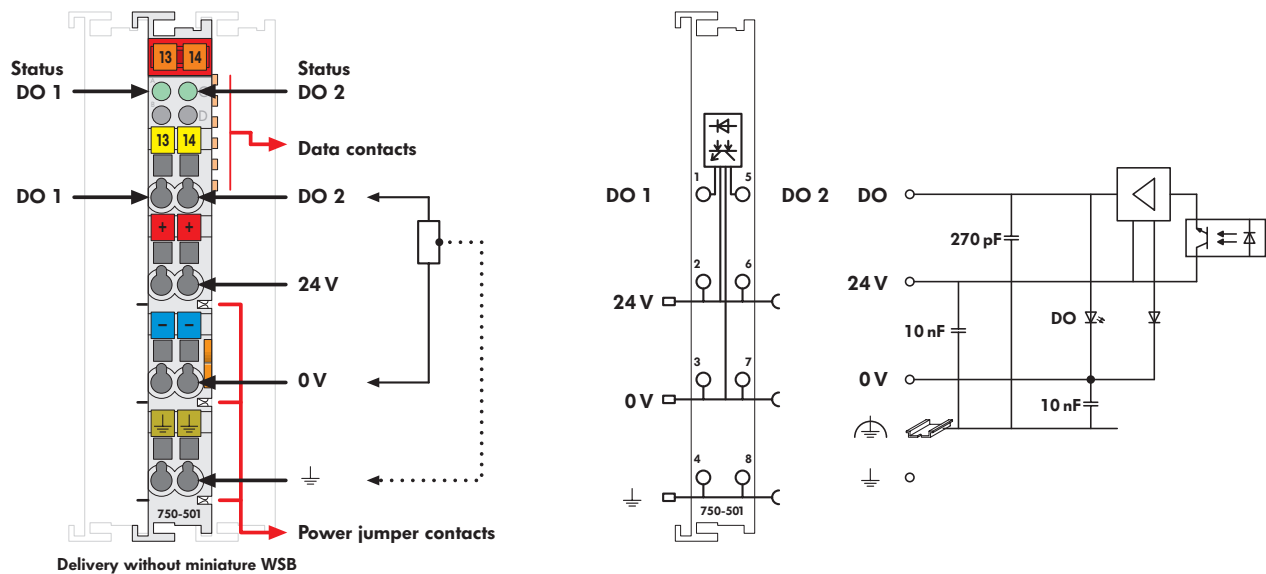


## 2-Channel Digital Output Module DC 24 V

short-circuit-protected; high-side switching



The connected load is switched via the digital output from the control system.

All outputs are electronically short-circuit-protected.

The module is a 2-channel, 4-conductor device. Actuators with ground (earth) wire may be directly connected to the module.

Each input is electrically isolated from the bus by use of optocouplers.

Description	Item-No.	Pack.-unit pcs	Technical Data
<b>2DO 24V DC 0.5A</b>	<b>750-501</b>	10 <sup>1)</sup>	No. of outputs 2
<b>2DO 24V DC 2.0A</b>	<b>750-502</b>	10 <sup>1)</sup>	Current consumption (internal) 3.5 mA
			Voltage via power jumper contacts DC 24 V (-25% ... +30%)
			Type of load resistive, inductive, lamps
			Switching rate <sub>max.</sub> 5 kHz (750-501)
			2.5 kHz (750-502)
			Output current 0.5 A (750-501)
			2.0 A (750-502)
			Short-circuit limitation <sub>typ. P<sub>wm</sub></sub> 35 A (44 A peak) (750-502)
			Inductiv load switch-off energy dissipation $W_{max.}$ 0.5 J (750-501)
			1.7 J (750-502)
			Isolation $L_{max.} = 2 \times W_{max.} / I^2$ 500 V system / supply
			Current consumption <sub>typ. (field side)</sub> 15 mA / module + load
			Internal bit width 2 bits
<sup>1)</sup> Also available individually			
<b>General specifications</b>			
Operating temperature	0°C ... +55°C		
Wire connection CAGE CLAMP®	0.08 mm² ... 2.5 mm²; AWG 28 ... 14		
	8 ... 9 mm / 0.33 in stripped length		
Dimensions (mm) W x H x L	12 x 64* x 100		
	* from upper edge of 35 DIN rail		
Weight	ca 50 g (750-501), ca 55 g (750-502)		
Storage temperature	-25°C ... +85°C		
Relative air humidity	95% no condensation		
Vibration and shock resistance	acc. to IEC 60068-2-6		
	acc. to IEC 60068-2-27		
Degree of protection	IP 20		
EMC CE - Immunity to interference	acc. to EN 50082-2 (1996)		
EMC CE - Emission of interference	acc. to EN 50081-1 (1993)		
EMC marine applications - Immunity to interf.	acc. to Germanischer Lloyd (1997)		
EMC marine applications - Emission of interf.	acc. to Germanischer Lloyd (1997)		
<b>Approvals</b>			
UL and marine applications	see pages 1.10 ... 1.13		
Conformity marking	II 3 G EEx nA II T4, Class I Div2 ABCD T4A		
	CE		
<b>Accessories</b>			
	<b>Item-No.</b>	<b>Pack.-unit pcs</b>	
	<b>Miniature WSB quick marking system</b>		
	plain <b>248-501</b>	5	
	with marking see pages 1.174 ... 1.175		