2-Channel Digital Output Module DC 24 V

short-circuit protected; high-side switching; with diagnostics

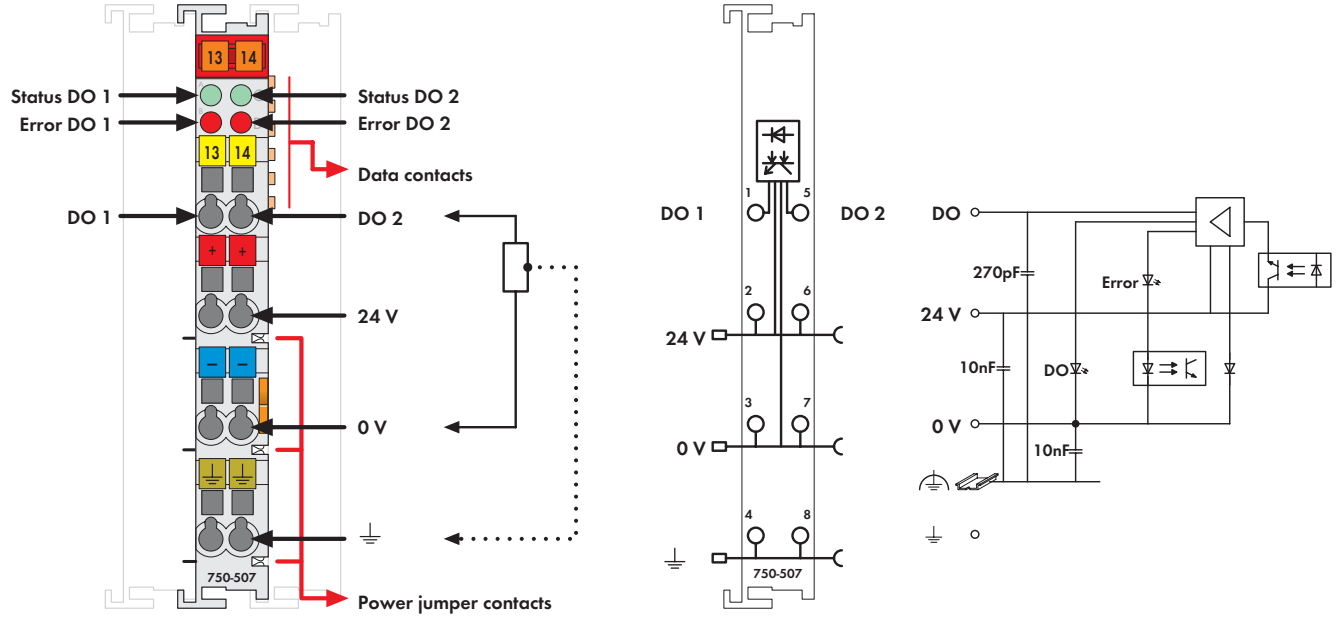

Fig. Series 750 / Technical data see page 41 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 32 ... 33 / 34 ... 35

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

All outputs are electronically short-circuit-protected.

In addition to the functions that can be fulfilled by the standard output modules, these output modules can recognize a short circuit or an open circuit. The error is visually indicated by error LEDs and a bit is set in the process image.

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

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

Description	Item no.	Pack. unit
2DO 24V DC 2.0A, Diagnostics	**750-507**	10 [1]
2DO 24V DC 2.0A/ Diagnostics (without connector)	**753-507**	10 [1]

[1] Also available individually

Accessories	Item no.	Pack. unit
Connectors Series	**753-110**	25
Coding elements	**753-150**	100
Miniature WSB Quick marking system		
plain	**248-501**	5
with marking	see pages 224 ... 225	

Approvals

Series 750 and 753	
UL 508	
Conformity marking	CE
Series 750	
Marine applications	see pages 36 ... 39
EN 50021	II 3 G EEx nA II T4
UL 1604	Class I Div2 ABCD T4A

Technical Data

No. of outputs	2
Current consumption (internal)	15 mA
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)
Type of load	resistive, inductive, lamps
Switching rate max.	2.5 kHz
Reverse voltage protection	yes
Output current max.	2 A
Short-circuit limitation typ. Pwm	33 A (42 A peak)
Open-circuit detection	< 60 µA
Diagnostics	Open circuit, overload and short-circuit
Inductive load switch off energy	
dissipation W max.	1.7 J; L max = 2 x W max / I^2
Current consumption typ (field side)	15 mA / module + charge
Isolation	500 V system / supply
Internal bit width	2 bits in; 2 bits out
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped length series 750 / 753	8 ... 9 mm / 0.33 in
	9 ... 10 mm / 0.37 in
Width	12 mm
Weight	approx. 50 g
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 interference	acc. to Germanischer Lloyd (2001)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2001)

WAGO Kontakttechnik GmbH & Co. KG
Postfach 2880 • D-32385 Minden Tel.: +49(0)571 /887-0 E-Mail: info@wago.com
Hansastr. 27 • D-32423 Minden Fax.: +49(0)571 /887-169 www.wago.com