

4-Channel Digital Output Module 24 V DC

Short-circuit protected; high-side switching

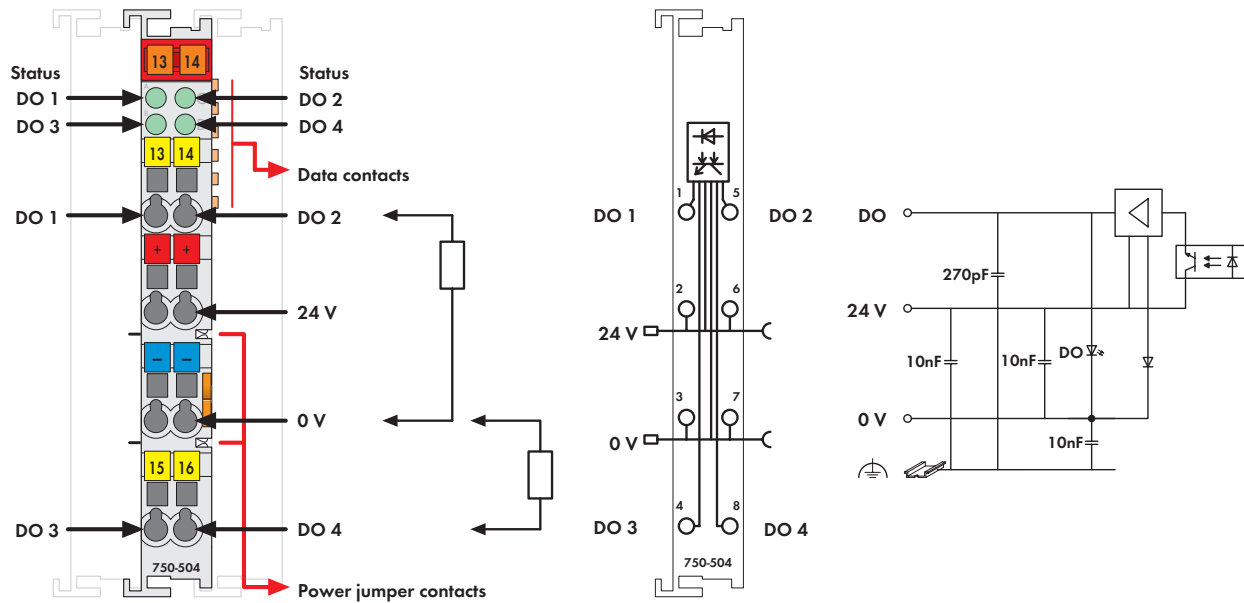


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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

All outputs are electronically short-circuit-protected.

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

Description	Item No.	Pack. Unit
4DO 24V DC 0.5A	750-504	1 ¹⁾
4DO 24V DC 0.5A/R*	750-504/000-800	1
4DO 24V DC 0.5A/T	750-504/025-000	1
(Operating temperature -20 °C ... +60 °C)		
4DO 24V DC 0.5A/T/R*	750-504/025-800	1
(Operating temperature -20 °C ... +60 °C)		
4DO 24V DC 0.5A (without connector)	753-504	1
* /R: Interference-free for safety function applications (see manual)		
¹⁾ Also available individually		
Accessories	Item No.	Pack. Unit
753 Series Connectors	753-110	25
Coding elements	753-150	100
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 352 ... 353	
Approvals	Also see "Approvals Overview" in Section 1	
Conformity marking	CE	
Shipbuilding (versions upon request)	ABS, BV, DNV, GL, KR, LR*, NKK*, PRS*, RINA* *753 Series, pending	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	75x-504, 750-504/000-800
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-504, 750-504/000-800
EN 61241-0, -1		750-504/000-800

Technical Data	
No. of outputs	4
Current consumption (internal)	10 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Type of load	resistive, inductive, lamps
Max. switching frequency	1 kHz
Output current (max.)	0.5 A, short-circuit protected
Inductive load switch off energy	
dissipation W (max.)	0.3 J; $L_{max} = 2 \times W_{max} / I^2$
Current consumption typ. (field side)	15 mA / module + charge
Isolation	500 V system/supply
Internal bit width	4 bits
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14
Stripped lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	49.5 g
EMC: CE - immunity to interference	acc. to EN 60000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)
EMC: marine applications	
- immunity to interference	acc. to Germanischer Lloyd (2003)
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- emission of interference	acc. to Germanischer Lloyd (2003)

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