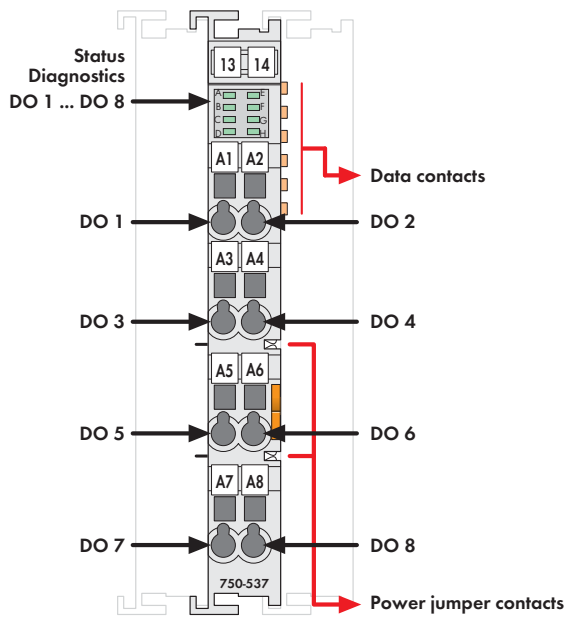
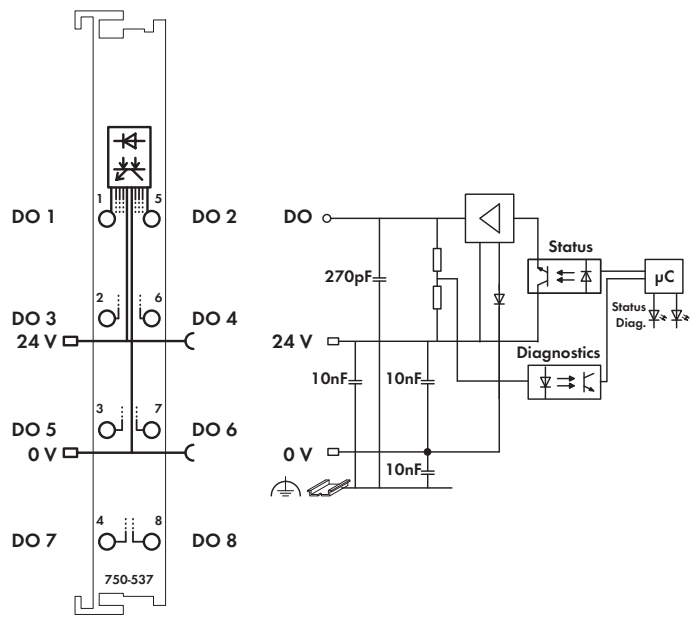


8-Channel Digital Output Module 24 V DC

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



Delivered without miniature WSB markers



NOTE: Connection point marking (i.e., 1 ... 8) does not refer to channel assignment

Control signals are transmitted from the automation device to connected actuators via the digital output module.

All outputs are short-circuit proof.

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 status is transmitted to the fieldbus couplers and indicated by LEDs.

The module is an 8-channel device and eight actuators may be connected to it.

Field and system levels are electrically isolated.

Description	Item No.	Pack. Unit
8DO 24V DC 0.5A, diagnostics	750-537	1
8DO 24V DC 0.5A, diagnostics (without connector)	753-537	1
Accessories		
753 Series Connectors	753-110	25
Coding elements	753-150	100
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see Section 11	
Approvals		
Conformity marking	CE	
Korea Certification		
Marine applications	ABS, BV ¹⁾ , DNV, GL, KR, LR ¹⁾ , NKK, PRS, RINA	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
TÜV 07 ATEX 554086 X	I M2 Ex d I Mb, II 3 G Ex nA IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc	
IECEx TUN 09.0001 X	Ex d I Mb, Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc	
¹⁾ Does not apply to 753-537		

Technical Data	
No. of outputs	8
Max. current consumption (internal)	50 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Type of load	resistive, inductive, lamps
Max. switching frequency	1 kHz
Reverse voltage protection	yes
Output current	0.5 A, short-circuit protected
Short-circuit limitation (typ.) Pwm	12 A
Open-circuit detection	< 0.1 mA at 24 V (> 1.0 mA -> no Open-circuit)
Diagnostics	Open-circuit, overload and short-circuit
Inductive load switch off energy	
dissipation W (max.)	0.1 J; L max = 2 x W max / I ²
Current consumption typ. (field side)	16 mA / module + load
Isolation	500 V system/supply
Internal bit width	8 bits out, 8 bits in (diagnostics)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14
Strip lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51.9 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications