



element14

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[750-530](#)

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This Datasheet is presented by
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DE

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FR

Cette fiche technique est
présentée par le fabricant

8-Channel Digital Output Module 24 V DC

Short-circuit protected; high-side switching

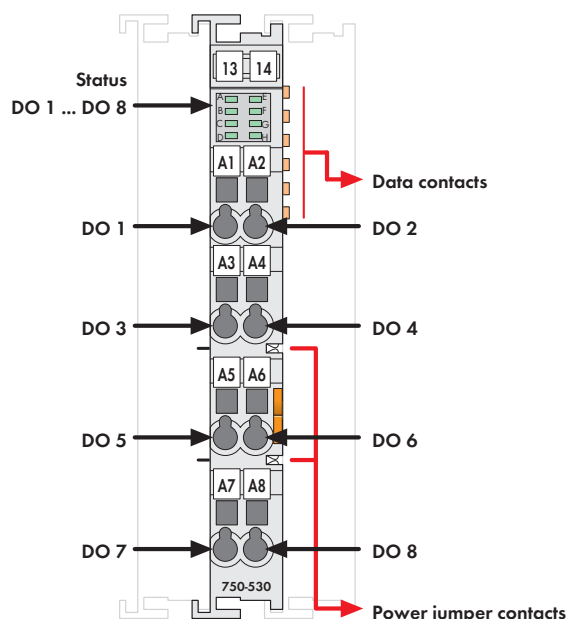
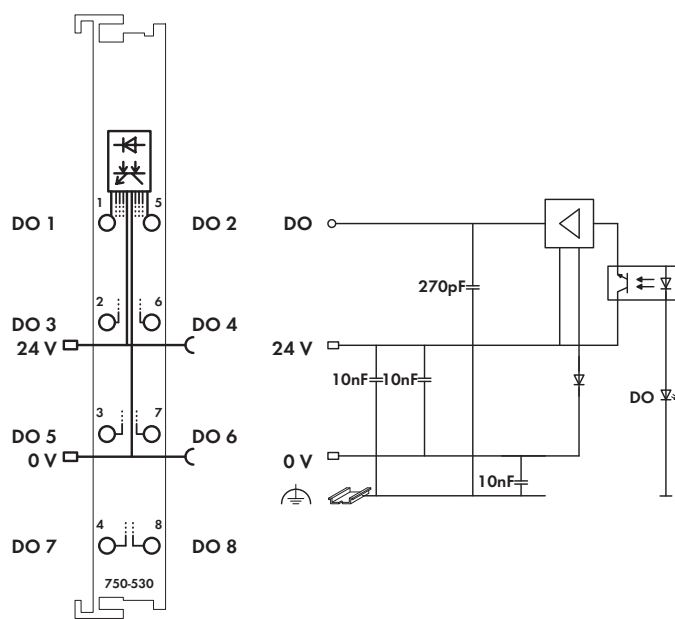


Fig. 750 Series
Delivered without miniature WSB markers






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

The digital output module provides 8 channels at a width of just 12 mm (0.47 in.).
The connected load is switched via digital output from the control system.

All outputs are short-circuit proof.

Field and system levels are electrically isolated.

Description	Item No.	Pack. Unit
8DO 24V DC 0.5A	750-530	1
8DO 24V DC 0.5A/T	750-530/025-000	1
Extended temperature range: -20 °C ... +60 °C		
8DO 24V DC 0.5A (without connector)	753-530	1
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 Section 11	
Approvals		
Conformity marking	CE	
Korea Certification	KC	
Marine applications (versions upon request)	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508	Class I, Div. 2, Grp. ABCD, T4	
ANSI/ISA 12.12.01	Ex nA IIC T4 Gc (750-530)	
TÜV 12.1297 X (Brasilien)	I M2 Ex d I Mb,	
TÜV 07 ATEX 554086 X	II 3 G Ex nA IIC T4 Gc,	
	II 3 D Ex tc IIIC T135 °C Dc	
Permissible ambient temperature	0 °C ... +60 °C	
IECEx TUN 09.0001 X	Ex d I Mb,	
	Ex nA IIC T4 Gc,	
	Ex tc IIIC T135 °C Dc	
Permissible ambient temperature	0 °C ... +60 °C	

Technical Data	
No. of outputs	8
Current consumption (internal)	25 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Type of load	resistive, inductive, lamps
Max. switching frequency	2 kHz
Output current (max.)	0.5 A, short-circuit protected
Inductive load switch off energy	
dissipation W (max.)	0.9 J; L max = 2 x W max / I ²
Current consumption typ. (field side)	15 mA + charge
Isolation	500 V system/supply
Internal bit width	8 bits
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	50.7 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, marine applications



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