


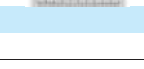







Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

This input module incorporates a current loop which makes it possible to monitor alarm contacts with a fixed resistance ratio (R1, R2), for intruder detection.

The module indicates the current status of the contact via LEDs and via status bits in the process image.

Description	Item No.	Pack. Unit
2DI 24V DC Intruder Detection	750-424	1
2DI 24V DC Intruder Detection (without connector)	753-424	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 pages 352 ... 353	
Approvals		
Also see "Approvals Overview" in Section 1		
Conformity marking	CE	
Shipbuilding	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	
 IEC 60079-0, -15	BR-Ex nA II T4	
 EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	
 EN 61241-0, -1		

Technical Data	
Number of inputs	2
Current consumption typ. (internal)	6 mA
Current consumption max. (field side)	16 mA / 24 V DC
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Loop current typ. (I _d)	1 mA
R1	1.5 kΩ (± 5 %)
R2	2.2 kΩ (± 5 %)
R wire (max.)	200 Ω
Isolation	500 V system/supply
Internal bit width	4 bits
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	36 g
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (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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2-Channel Relay Output Module 125 V AC, 30 V DC

Isolated outputs; 2 changeover contacts

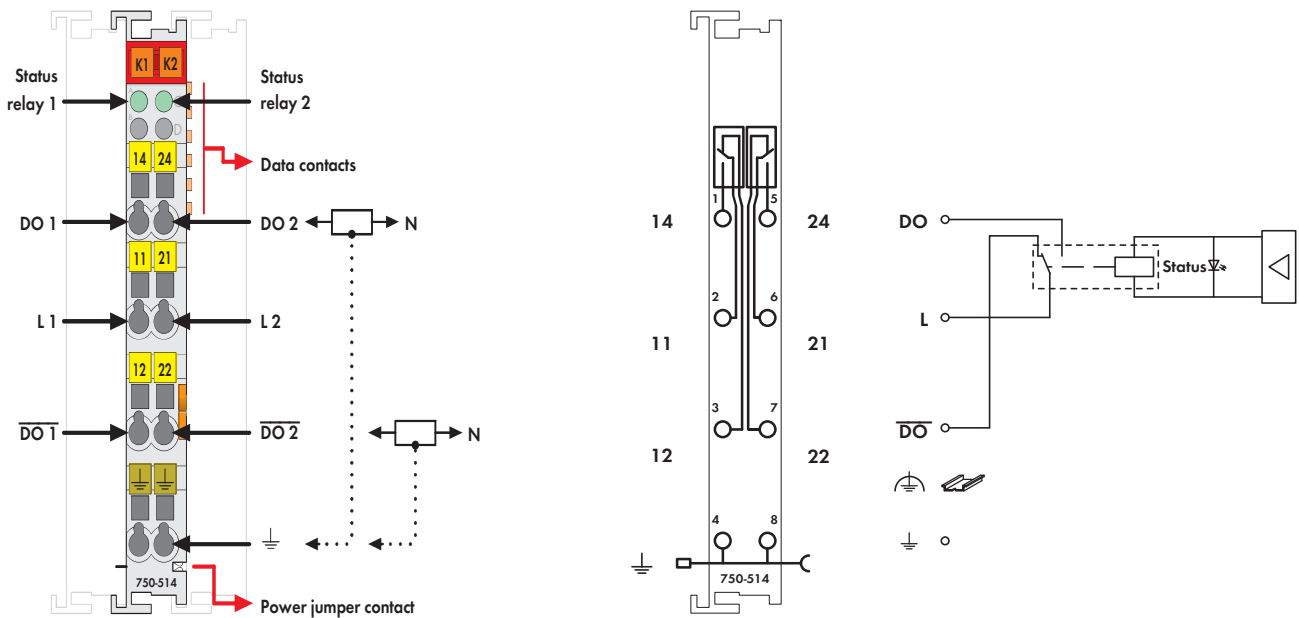


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13




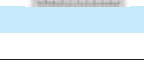
The connected load is switched via the digital output (relay contacts) from the control system.

The internal system voltage is used to trigger the relay.

The NO contacts are electrically isolated.

The switched status of the relay is shown by a LED.

Actuators with a ground (earth) wire may be directly connected to the module.

Description	Item No.	Pack. Unit
2DO 125V AC 0.5A/ Relay 2CO/ Potential Free	750-514	10 ¹⁾
2DO 125V AC 0.5A/ Relay 2CO/ Potential Free (without connector)	753-514	1
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	ABS, DNV, GL, KR, PRS*, RINA* *753 Series, pending	
UL 508		
EN 50021	II 3 G EEx nC IIC T4	

Technical Data	
No. of outputs	2 changeover contacts
Current consumption typ. (internal)	70 mA
Max. switching voltage	125 V AC / 30 V DC
Switching power	62.5 VA / 30 W
Min. switching current	0.01 mA / 10 mV DC
Max. switching current	0.5 A AC / 1 A DC
Max. switching frequency	20/min
Pull-in time (max.)	4 ms
Drop-out time (max.)	4 ms
Contact material	Silver alloy, gold-plated
Mechanical life	1 x 10 ⁸ switching operations
Electrical life	1 x 10 ⁵ (0.5 A / 125 V AC) 2 x 10 ⁵ (1 A / 30 V DC)
Isolation	1.5 kV eff. (field/system)*; * 2.5 kV rated surge voltage; Overvoltage category III
Internal bit width	2 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)