Intruder Detection

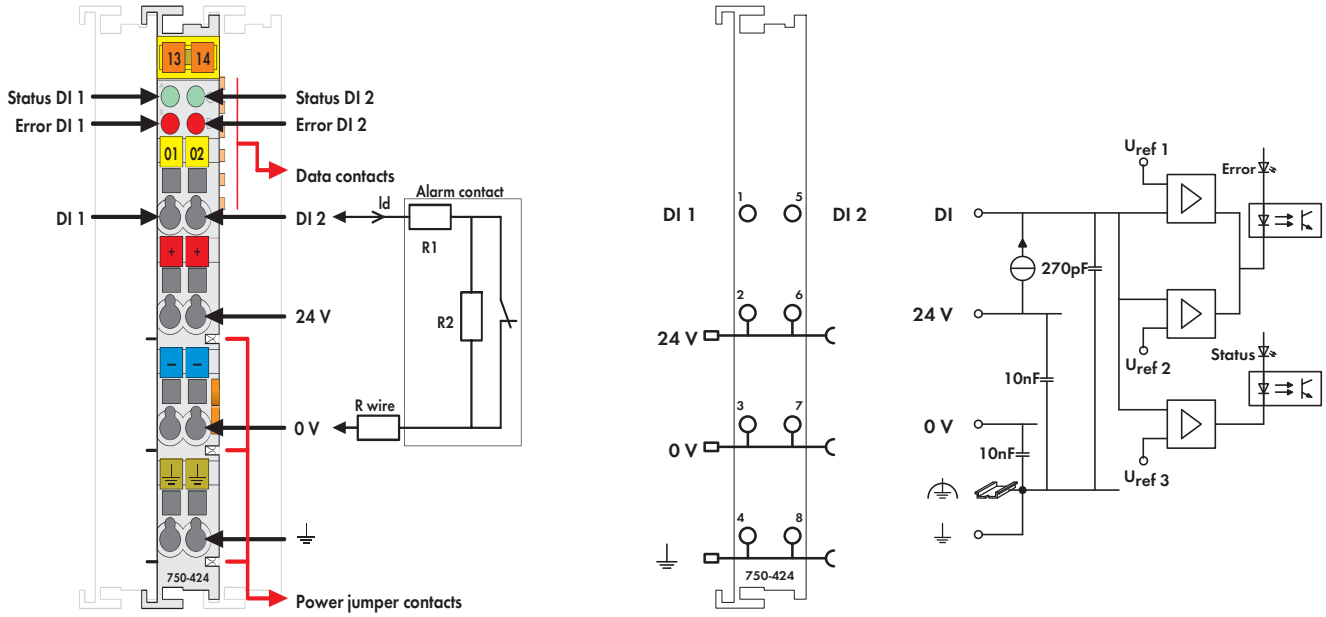

Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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		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, BV, DNV, GL, KR, LR*, NKK*, PRS*, RINA*
	*753 Series, pending
cULus UL 508	
cULus ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
IECEx IEC 60079-0, -15	BR-Ex nA II T4
IECEx 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. (Id)	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)
EMC: marine applications	
- emission of interference	acc. to Germanischer Lloyd (2003)

2-Channel Relay Output Module 230 V AC, 300 V DC

Isolated outputs; 2 changeover contacts

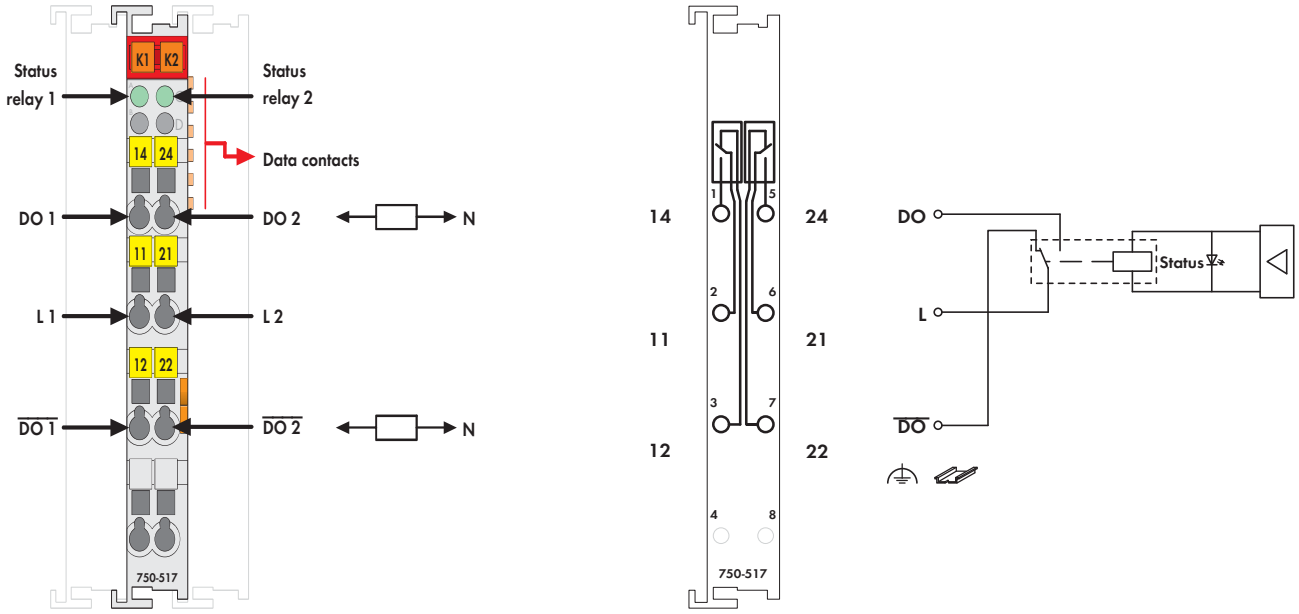

Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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 SPDT contacts are electrically isolated.

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

1.4

Description	Item No.	Pack. Unit
2DO 230V AC 1.0A/ Relay 2CO/ Potential Free	**750-517**	1
2DO 230V AC 1.0A/ Relay 2CO/ Potential Free (without connector)	**753-517**	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 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	
EN 50021	II 3 G EEx nC IIC T4

Technical Data

No. of outputs	2 changeover contacts
Max. current consumption (internal)	90 mA
Max. switching voltage	250 V AC / 300 V DC
Min. switching current	100 mA / 12 V DC
Max. switching current	1A AC; 1 A at 40 V DC; 0.15 A at 300 V DC
Max. switching frequency	6/min (at nominal load)
Pull-in time (max.)	8 ms
Drop-out time (max.)	4 ms
Contact material	Silver alloy
Mechanical life	5 x 10^6 switching operations
Electrical life	1 x 10^5 switching operations (1 A / 250 V AC)
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 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	52.5 g
EMC: CE - immunity to interference	acc. to EN 60000-6-2 (2001)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)
EMC: marine applications	
- immunity to interference	acc. to Germanischer Lloyd (2003)
EMC: marine applications	
- emission of interference	acc. to Germanischer Lloyd (2003)