Intruder Detection

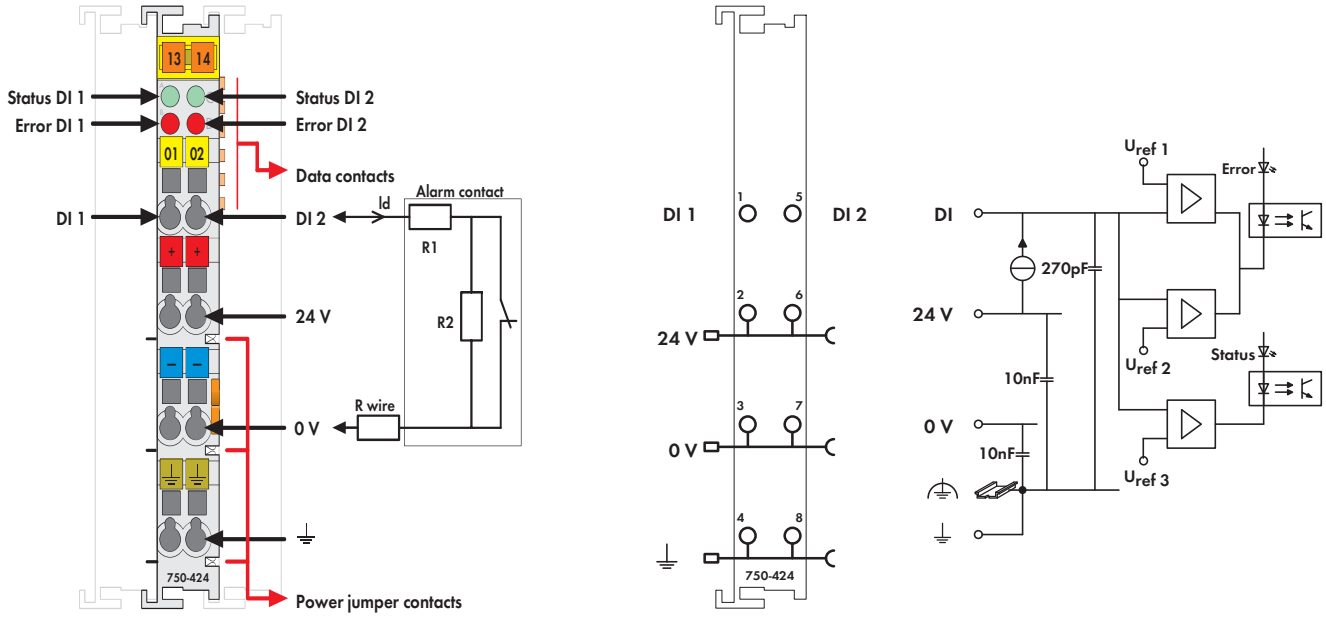


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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

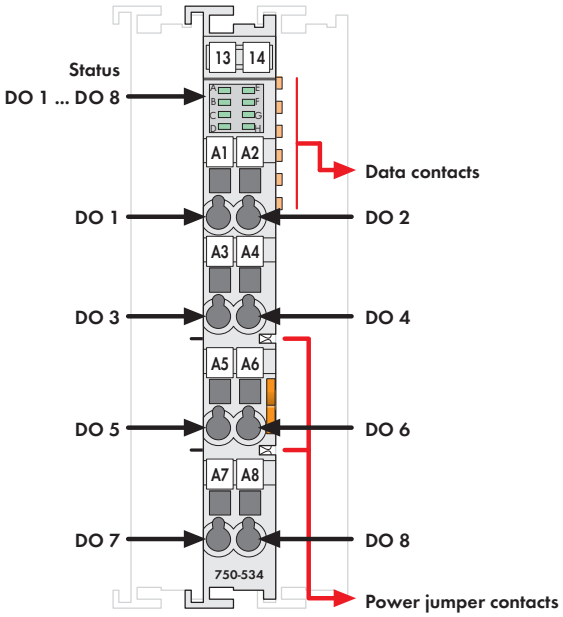
Accessories		Item No.	Pack. Unit
	**753 Series Connectors**	**753-110**	25
	Coding elements	**753-150**	100
	**Miniature WSB Quick marking system**		
	plain	**248-501**	5
	with marking	see pages 352 ... 353	

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)

8-Channel Digital Output Module 5 ... 14 V DC

Short-circuit protected; high-side switching



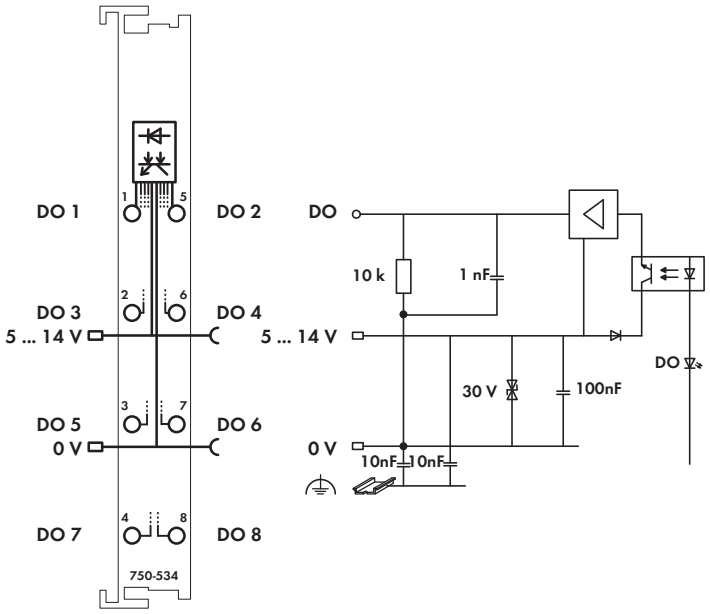


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers. 750/753 Series marking see pages 10 ... 11 / 12 ... 13

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

The digital output modules provide 8 channels maintaining a width of only 12mm.
The connected load is switched via the digital output from the control system.

All outputs are electronically short-circuit-protected.

Field and system levels are electrically isolated.

Notice:
An additional supply module must be added for operation with 5-14VDC.

Description	Item No.	Pack. Unit
8DO 5 (14) V DC 1A	**750-534**	1
8DO 5 (14) V DC 1A (without connector)	**753-534**	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	pending
UL 508	
ANSI/ISA 12.12.01	Class I Div2 ABCD T4
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4
EN 61241-0, -1	

Technical Data	
No. of outputs	8
Current consumption (internal)	20 mA
Voltage via power jumper contacts	5 V ... 14 V DC (-15 % ... +20 %)
Type of load	resistive, inductive
Max. switching frequency	2kHz
Output current	1 A, short-circuit-protected
Inductive load switch off energy	
dissipation W (max.)	0.26 J; L max = 2 x W max / I^2
Current consumption typ. (field side)	25 mA / module + load
Isolation	500 V system/supply
Internal bit width	8 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	48 g
EMC: CE - immunity to interference	acc. to EN 61131-2 (2003)
EMC: CE - emission of interference	acc. to EN 61131-2 (2003)
EMC: marine applications	
- immunity to interference	acc. to Germanischer Lloyd (2003)
EMC: marine applications	
- emission of interference	acc. to Germanischer Lloyd (2003)