

Intruder Detection

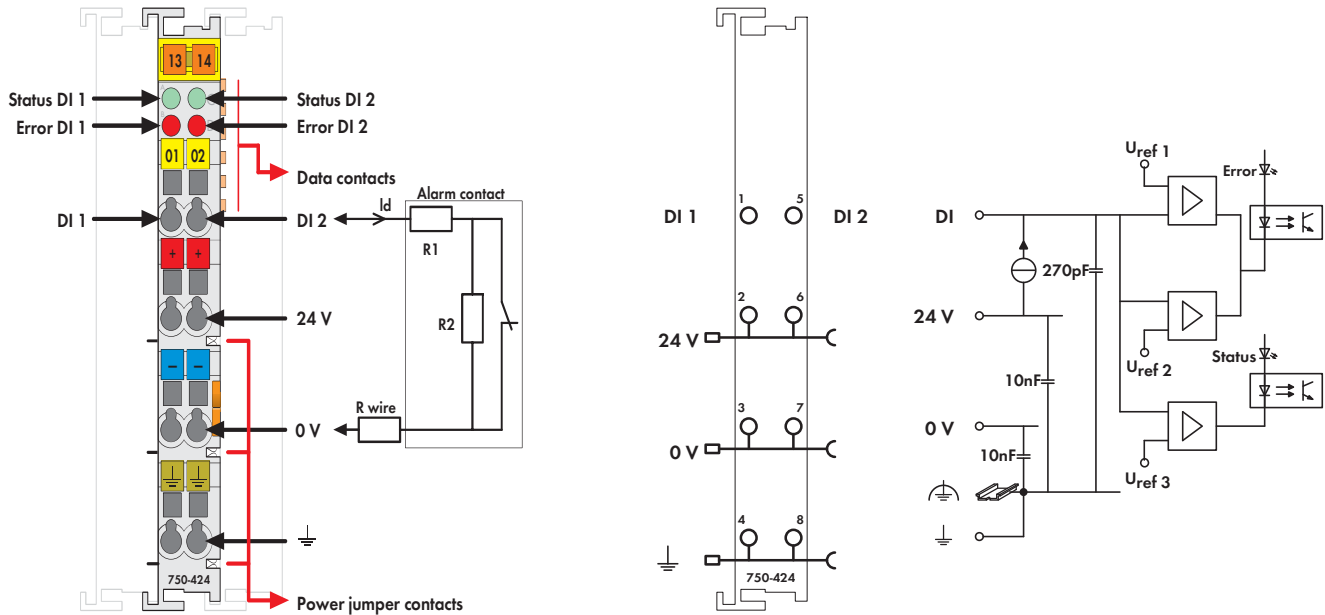



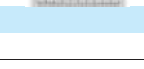







Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers  
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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.

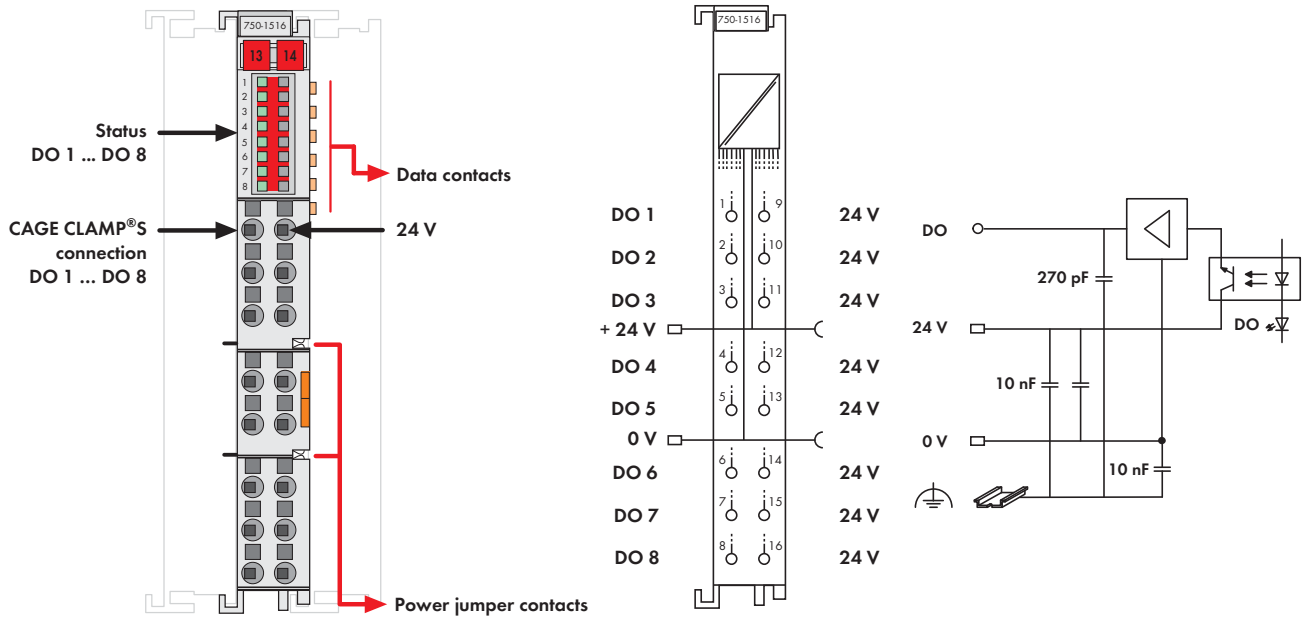
Description	Item No.	Pack. Unit
2DI 24V DC Intruder Detection	750-424	1
2DI 24V DC Intruder Detection (without connector)	753-424	1
<b>Accessories</b>		
 753 Series Connectors	753-110	25
 Coding elements	753-150	100
<b>Miniature WSB Quick marking system</b>		
 plain	248-501	5
 with marking	see pages 352 ... 353	
<b>Approvals</b>		
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 <sub>d</sub> )	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 24 V DC

Low-side switching, 2-conductor connection



The digital output module provides 8 channels in 2-wire connection at a width of just 12mm (0.47in). It transmits binary control signals from the automation device to connected actuators (e.g., magnetic valves, contactors, transmitters, relays or other electrical loads). CAGE CLAMP<sup>®</sup>S terminations provide direct insertion of solid conductors. A green LED indicates the switched status of each channel. An optocoupler provides electrical isolation between the bus and the field side.

210-719 operating tool (2.5mm blade) is required to open the CAGE CLAMP<sup>®</sup>S.

Description	Item No.	Pack. Unit
<b>8DO 24V DC 0.5A, low-side switching, 2-conductor</b>	<b>750-1516</b>	<b>1</b>
Interference-free for use in safety functions (see manual)		
Accessories	Item No.	Pack. Unit
<b>Miniature WSB Quick marking system</b>		
 plain	<b>248-501</b>	<b>5</b>
with marking	see pages 352 ... 353	
<b>Operating tool, with partially insulated shaft,</b>		
Type 1, blade (2.5 x 0.4) mm	<b>210-719</b>	<b>1</b>
Approvals	Also see "Approvals Overview" in Section 1	
Conformity marking	<b>CE</b>	
Shipbuilding	ABS, DNV, GL, KR	
UL 508	UL 508	

Technical Data	
No. of outputs	8
Max. current consumption (internal)	20 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Type of load	resistive, inductive, lamps
Max. switching frequency	1 kHz
Output current (max.)	0.5 A, short-circuit protected
Current consumption typ. (field side)	8 mA
Isolation	500 V system/field
Wire connection	CAGE CLAMP <sup>®</sup> S
Cross sections	solid: 0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / AWG 28 ... 16 fine-stranded: 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / AWG 22 ... 16
Stripped lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	48 g