

4-Channel Digital Input Module DC 24 V

2-conductor connection; high-side switching

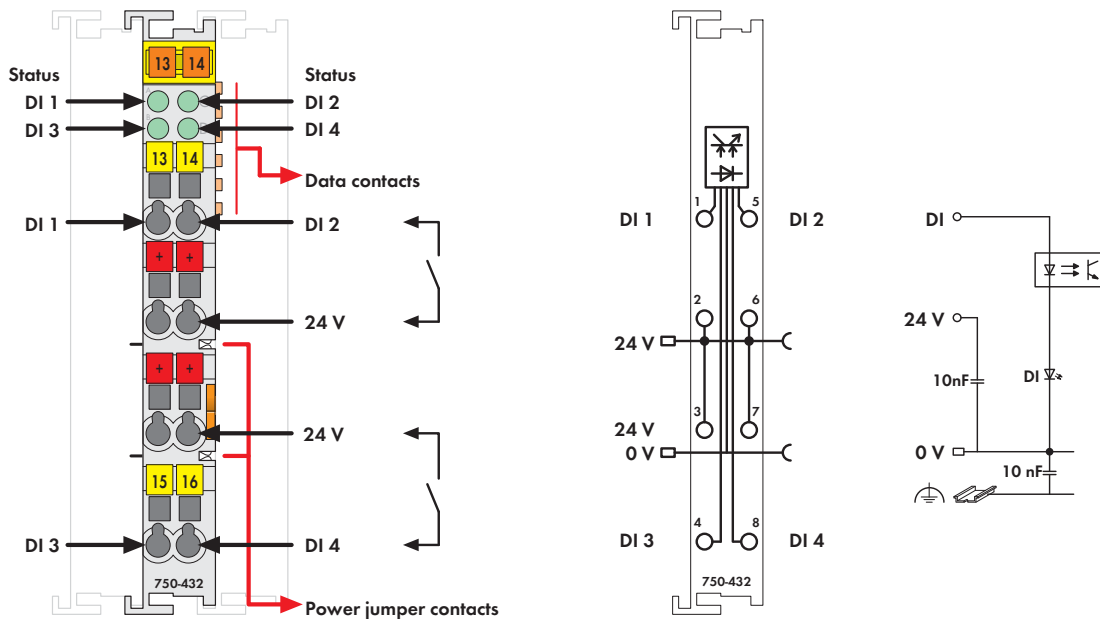


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The digital input module receives control signals from digital field devices (sensors, etc.).

The module is a 4-input channel, 2-conductor device. Due to its four 24 V connections, four sensors may be directly connected to the module.

Each input module has a noise-rejection filter. This filter is available with different time constants.

An optocoupler is used for electrical isolation between the bus and the field side.

Description	Item no.	Pack. unit
4DI 24V DC 3.0ms/2-conductor	750-432	10 ¹⁾
4DI 24V DC 0.2ms/2-conductor	750-433	10 ¹⁾
4DI 24V DC 3.0ms/2-conductor (without connector)	753-432	10 ¹⁾
4DI 24V DC 0.2ms/2-conductor (without connector)	753-433	10 ¹⁾
¹⁾ Also available individually		
Accessories	Item no.	Pack. unit
753 Series connector	753-110	25
Coding elements	753-150	100
Miniature WSB quick marking system,		
plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750 and 753		
UL 508		
Conformity marking	CE	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
Series 750		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Marine applications	see "Approvals Overview" in section 1	

Technical Data	
No. of inputs	4
Current consumption (internal)	5.5 mA
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)
Signal voltage (0)	DC -3 V ... +5 V
Signal voltage (1)	DC 15 V ... 30 V
Input filter	3.0 ms (750-432 / 753-432) 0.2 ms (750-433 / 753-433)
Input current (typ.)	4.5 mA
Isolation	500 V system/supply
Internal bit width	4 bits in
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	48.5 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)
EMC marine applications - Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)