2-Channel Digital Input Module DC 110 V

Configurable high-side or low-side switching

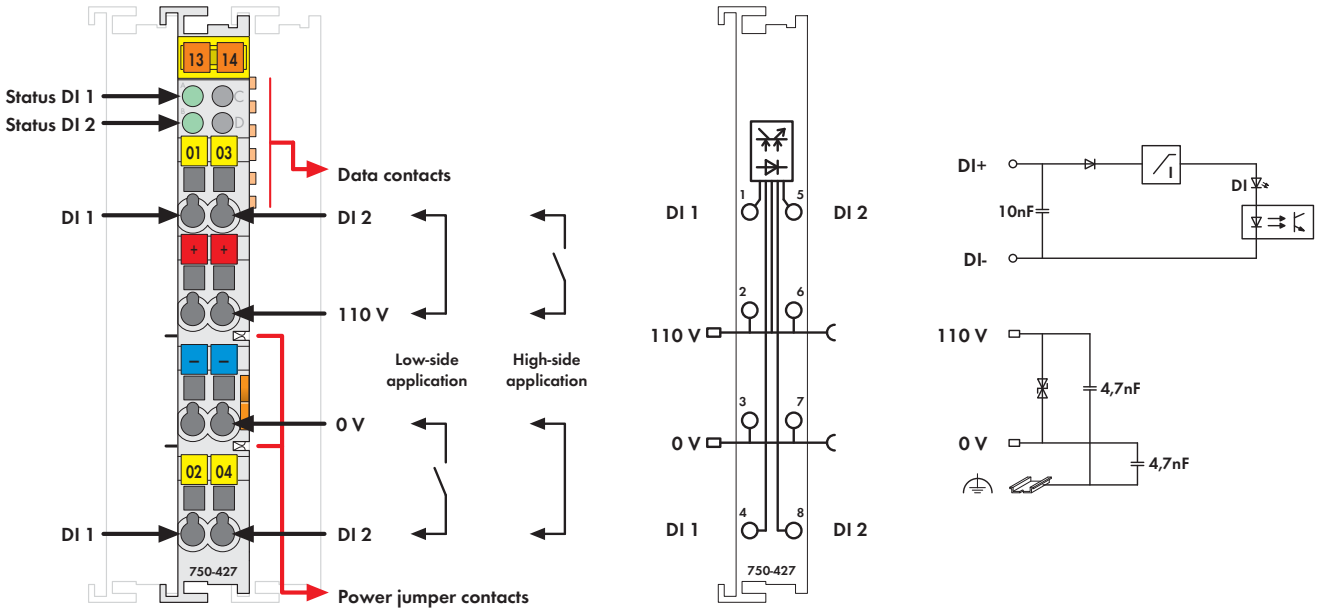

Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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

The module is a 2-channel device. Each channel can function as a low-side switch or high-side switch input. The type of input depends on the external wiring.

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

Notice:
An additional supply module must be added for operation with DC 110 V!

Description	Item no.	Pack. unit
2DI 110V DC	**750-427**	1
2DI 110V DC (without connector)	**753-427**	1

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
	BR-Ex nA II T4

Technical Data

No. of inputs	2
Current consumption (internal)	2.5 mA
Voltage via power jumper contacts	DC 110 V (-20 % ... +25 %)
Signal voltage (0)	< 50 V
Signal voltage (1)	> 70 V
Input filter	3.0 ms
Input current (typ.)	2.5 mA
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	37.5 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)

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