

# 2-Channel Digital Input Module 110 V DC

Configurable high-side or low-side switching

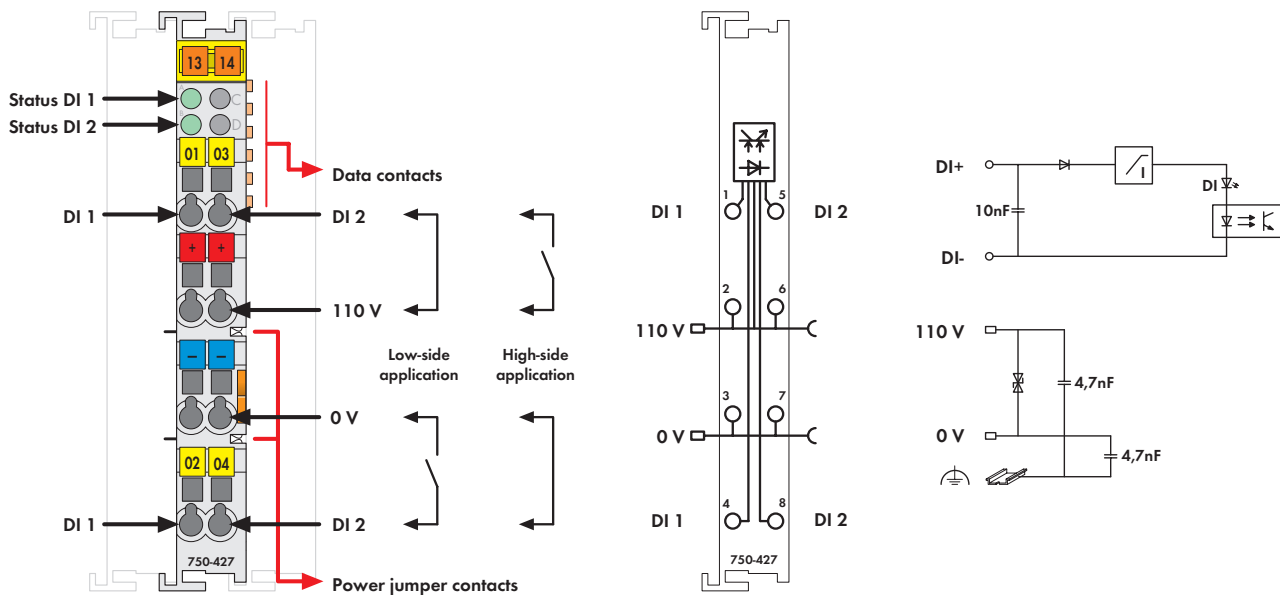


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers  
750/753 Series marking see pages 10 ... 11 / 12 ... 13





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 110VDC.

Description	Item No.	Pack. Unit
2DI 110V DC	750-427	1
2DI 110V DC (without connector)	753-427	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	
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 (internal)	2.5 mA
Voltage via power jumper contacts	110 V DC (-20 % ... +25 %)
Signal voltage (0)	< 50V
Signal voltage (1)	> 70V
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	47.2 g
EMC: CE - immunity to interference	acc. to EN 50082-2 (1996)
EMC: CE - emission of interference	acc. to EN 50081-1 (1993)