

## 2-Channel Digital Input Module AC 120 V

2- to 4-conductor connection; high-side switching

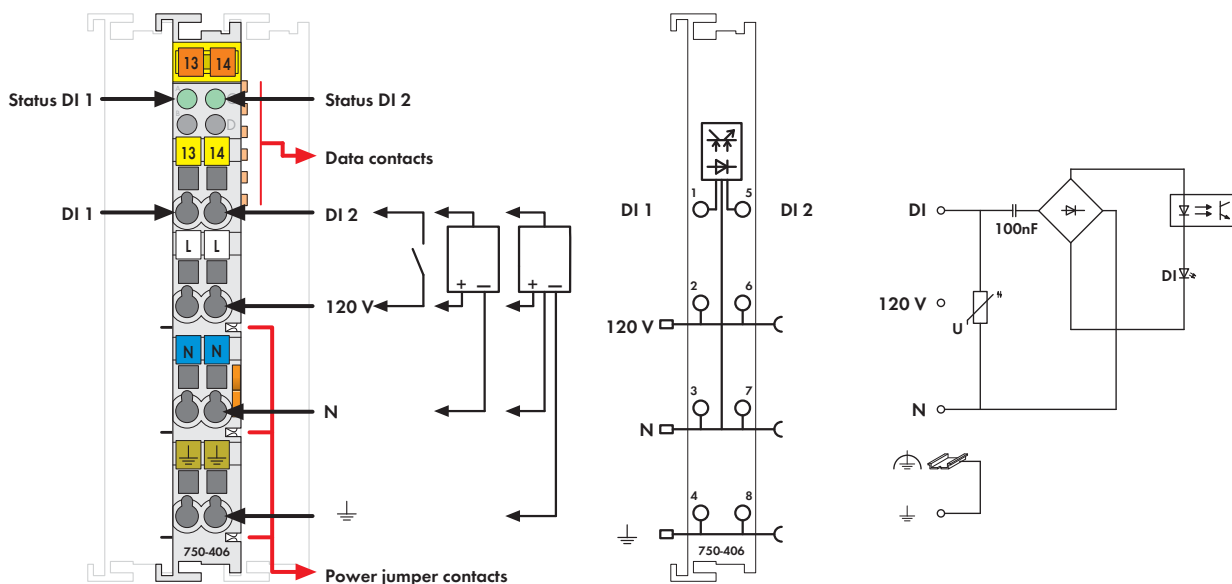


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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

The module is a 2-channel, 4-conductor device and sensors with a ground (earth) wire may be directly connected to the module.

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 AC 120 V!

Description	Item no.	Pack. unit
2DI 120V AC	750-406	10 <sup>1)</sup>
2DI 120V AC (without connector)	753-406	10 <sup>1)</sup>
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
Miniature WSB quick marking system, with marking	see pages 256 ... 257	
Approvals		
Series 750 and 753	UL 508	
Conformity marking	CE	
EN 60730-1	Class I, Div. 2, Grp. ABCD, T4	
Series 750	EN 60079-15	
Marine applications	I M2 / II 3 GD Ex nA IIC T4 see "Approvals Overview" in section 1	

Technical Data	
No. of inputs	2
Current consumption (internal)	2 mA
Voltage via power jumper contacts	AC 230 V (-15 % ... +20 %); (± 20 % 1.5 s)
Signal voltage (0)	AC 0 V ... 20 V
Signal voltage (1)	AC 79 V ... 1.1 V <sub>N</sub>
Input filter	10 ms
Input current (typ.)	4.5 mA
Input frequency	f (nominal) ± 10 % 50 Hz ± 10 % 60 Hz ± 10 %
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 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / 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 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)