

2-Channel Digital Input Module NAMUR

Proximity switch acc. to DIN EN 50227

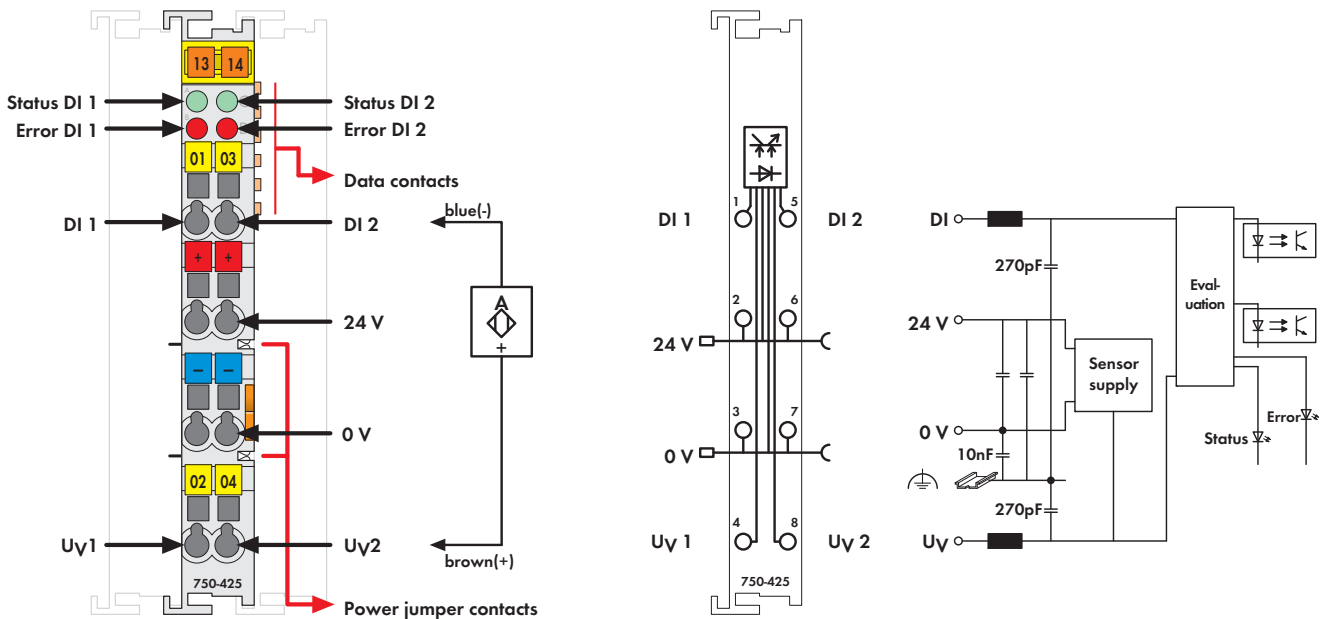


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The digital input module receives control signals from NAMUR proximity sensors (acc. to DIN 19234 and DIN 50227) from the field side.

The voltage supply of each channel of the sensors is delivered by a short circuit proof 8.2 V voltage source. A short circuit or a line break is indicated in the process image (1 bit) and via the red LED.

The green LED indicates the input status:

- Signal current (0) LED off
- Signal current (1) LED on

Field and system level are electrically isolated.

Description	Item no.	Pack. unit
2DI NAMUR	750-425	1
2DI NAMUR (without connector)	753-425	1
Accessories		
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	
• 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 typ. (internal)	5 mA
Voltage via power jumper contacts	DC 24 V (-15 % ... +20 %)
Signal current (0)	≤ 1.2 mA
Signal current (1)	≥ 2.1 mA
Input filter	3.0 ms
Switching hysteresis	0.2 mA
Open-circuit voltage	DC 8.2 V
Input resistance	1 kΩ
Input pulse duration	≥ 5 ms
Input pulse separation	≥ 3 ms
Short-circuit current	≤ 8.2 mA
Short circuit monitoring	> 6.5 mA
Line break monitoring	< 0.2 mA
Sensor supply V _s	DC 8.2 V
Isolation	500 V system/supply
Internal bit width	4 bits in, 2 bits data, 2 bits error (short circuit/line break)
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	51 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)