

2-Channel Digital Input Module NAMUR

Proximity switch acc. to DIN EN 60947-5-6

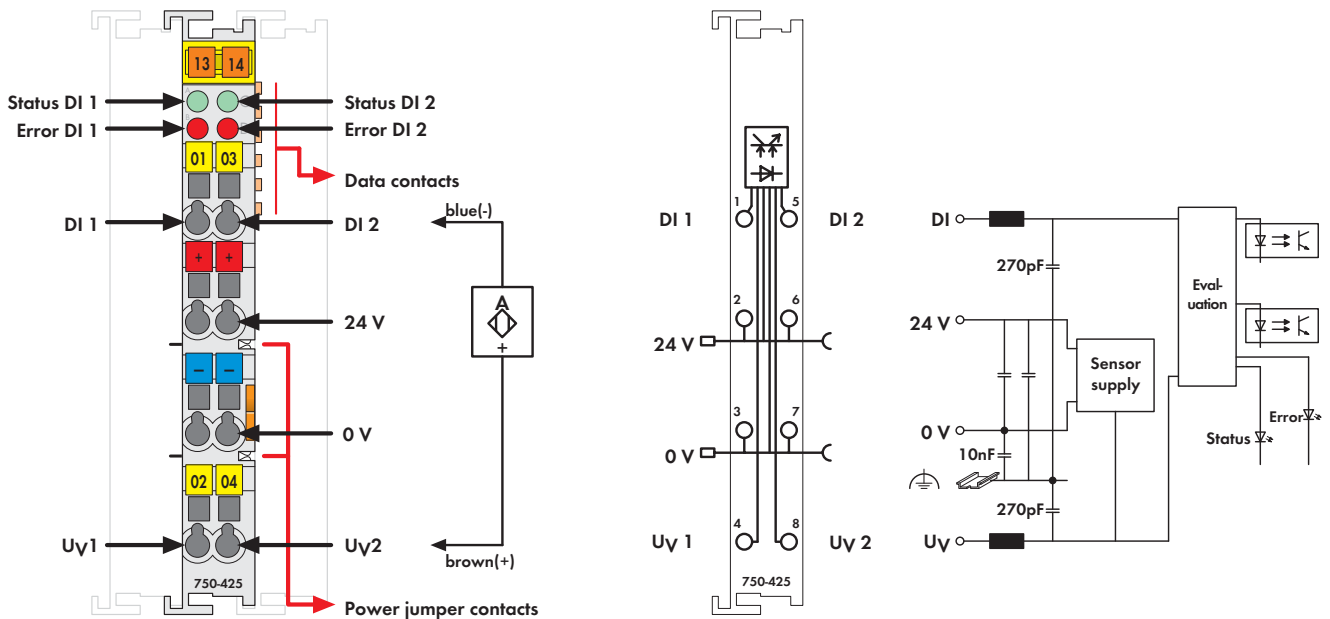


Fig. 750 Series
Delivered without miniature WSB markers






The digital input module receives control signals from NAMUR proximity switches (based on DIN EN 60947-5-6) in the field.

The voltage supply of each channel of the sensors is delivered by a short circuit proof 8.2V 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 levels are electrically isolated.

Description	Item No.	Pack. Unit
2DI NAMUR	750-425	1
2DI NAMUR (without connector)	753-425	1
Accessories		
 753 Series Connectors	753-110	25
 Coding elements	753-150	100
Miniature WSB Quick marking system		
 plain	248-501	5
 with marking	see Section 11	
Approvals		
Conformity marking	CE	
Korea Certification		
Marine applications	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508	Class I, Div. 2, Grp. ABCD, T4	
ANSI/ISA 12.12.01	Ex nA IIC T4 Gc (750-425)	
TÜV 12.1297 X (Brazil)	I M2 Ex d I Mb,	
TÜV 07 ATEX 554086 X	II 3 G Ex nA IIC T4 Gc,	
	II 3 D Ex tc IIIC T135°C Dc	
IECEx TUN 09.0001 X	Ex d I Mb,	
	Ex nA IIC T4 Gc,	
	Ex tc IIIC T135°C Dc	

Technical Data	
Number of inputs	2
Current consumption typ. (internal)	5 mA
Voltage via power jumper contacts	24 VDC (-25 % ... +30 %)
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	8.2 VDC
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_V	8.2 VDC
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
Strip lengths, 750/753 Series	8 ... 9 mm / 0.33 in
	9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, marine applications