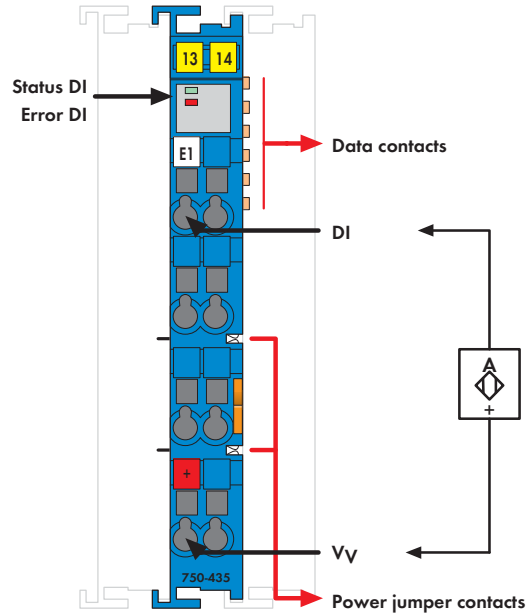


1-Channel Digital Input Module NAMUR, Ex i

Proximity switch acc. to DIN EN 50227



Delivered without miniature WSB markers

The digital input module receives the binary signals from sensors operating in hazardous environments of Zones 0 and 1. NAMUR sensors, optocouplers, mechanical contacts (in conjunction with resistance coupling module, available as an accessory) or other actuating elements can be connected by means of approved intrinsically safe devices. The WAGO-I/O-SYSTEM 750 must be installed either in Zone 2 or in a non-hazardous area.

Each sensor is supplied with a short-circuit-protected 8.2 V supply.


LED indicators:

- Green LED (signal on)
- Red LED (short circuit, wire breakage)

Field and system levels are electrically isolated.

Note: The digital input module must only be operated via Ex i 24VDC power supply!

General information (e.g., installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals!

Description	Item No.	Pack. Unit
1DI NAMUR Ex i	750-435	1
Accessories		
Resistance coupling module	288-936	15
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see pages 352 ... 353	

Technical Data	
Number of inputs	1
Current consumption typ. (internal)	2.5 mA
Voltage via power jumper contacts	Supply via 24 V DC Ex i supply module
Sensor supply V _v	8.2 V DC
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 V DC
Input resistance	1 kΩ
Input pulse duration	≥ 5 ms
Input pulse separation	≥ 3 ms
Short-circuit current	≤ 8.2 mA
Short circuit monitoring	> 6.4 mA
Line break monitoring	< 0.2 mA
Current consumption typ. (field side)	13 mA + load
Power consumption P (max.)	0.5 W
Power loss P _v	0.37 W
Isolation	375 V system/supply
Bit width	2 bits; 1 bit input; 1 bit error (short circuit/open circuit)