

2-Channel Digital Input Module 48 V DC

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

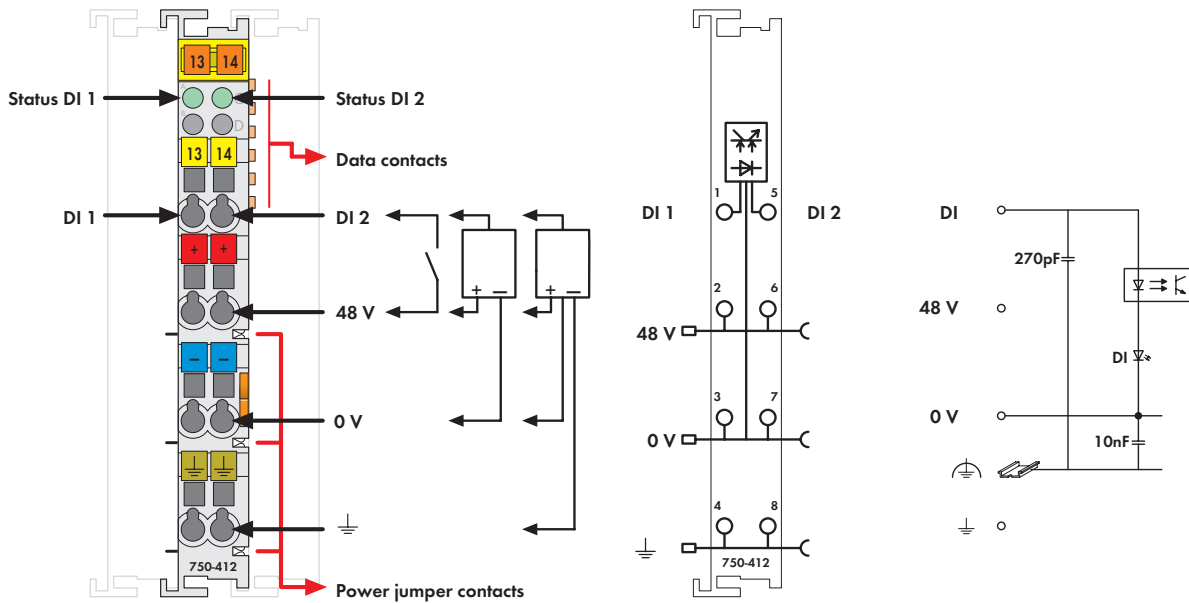


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

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

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

Each input module has a noise-rejection filter with a time constant.

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 48VDC.

Description	Item No.	Pack. Unit
2DI 48V DC 3.0ms	750-412	1
2DI 48V DC 3.0ms without power jumper contacts	750-412/000-001	1
2DI 48V DC 3.0ms (without connector)	753-412	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 pages 352 ... 353	
Approvals		
Also see "Approvals Overview" in Section 1		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, 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	48 V DC (-15 % ... +20 %)
Signal voltage (0)	-6 V ... +10 V DC
Signal voltage (1)	34 V ... 60 V DC
Input filter	3.0 ms
Input current (typ.)	3.8 mA
Isolation	500 V system/supply
Internal bit width	2 bits
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	46.5 g
EMC: CE - immunity to interference	acc. to EN 50082-2 (1996)
EMC: CE - emission of interference	acc. to EN 50081-1 (1993)