

4-Channel Digital Input Module DC 24 V

2- to 3-conductor connection; high-side switching; 10 ms pulse extension

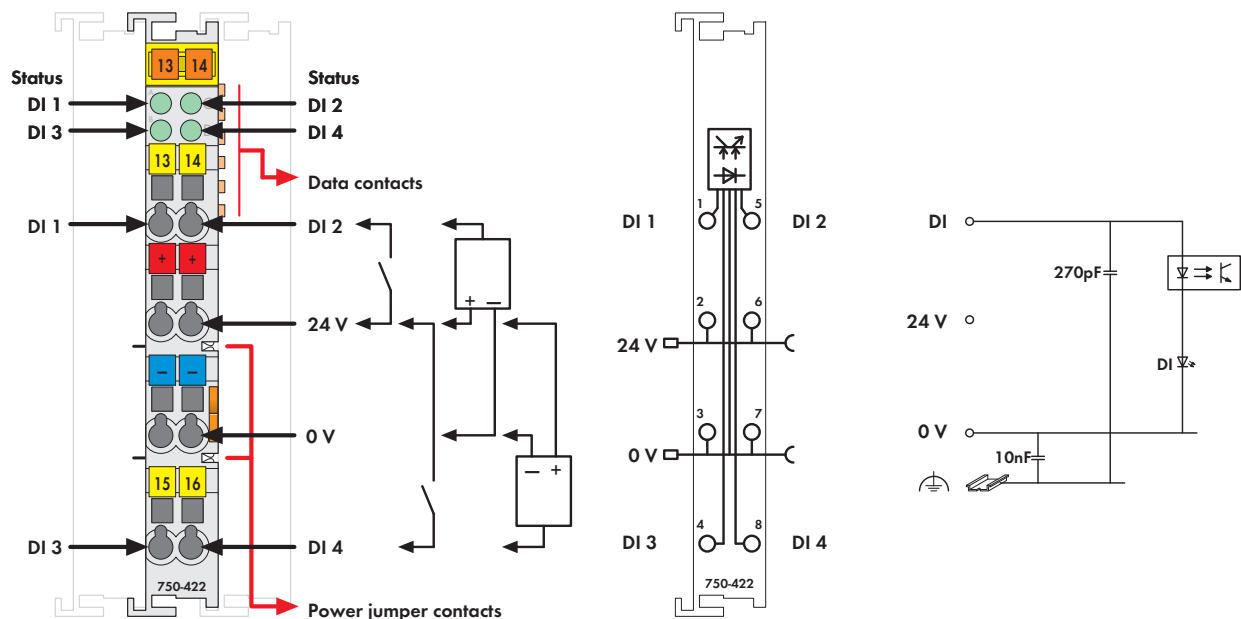
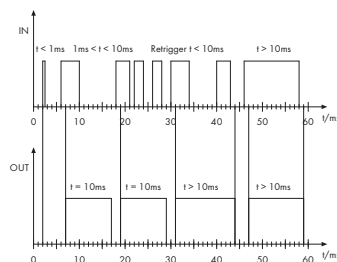


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
 Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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

This input module extends input signals to at least 10 ms. Only signals ≥ 1 ms will be acquired. Input signals > 10 ms will not be extended (see timing technical data).

An optocoupler is used for electrical isolation between the bus and the field side.



Description	Item no.	Pack. unit
4DI 24V DC, pulse extension	750-422	1
4DI 24V DC, pulse extension (without connector)	753-422	1
Accessories		
753 Series connector	753-110	25
Coding elements	753-150	100
Miniature WSB quick marking system, plain	248-501	5
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	4
Current consumption max. (internal)	9 mA
Voltage via power jumper contacts	DC 24 V (-15 % ... +20 %)
Signal voltage (0)	DC -3 V ... +5 V
Signal voltage (1)	DC 15 V ... 30 V
Input filter	1.0 ms (± 15 %)
Input current (typ.)	4 mA
Input frequency (max.)	80 Hz
Dead time	1 ms
t ON (IN) < 1 ms	t ON(OUT) = 0
1 ms < t ON(IN) < 10 ms	t ON(OUT) = 10 ms (± 15 %)
t ON (IN) > 10 ms	t ON(OUT) = t ON(IN)
Pulse extension	see graphic
Isolation	500 V system/supply
Internal bit width	4 bits
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / 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)