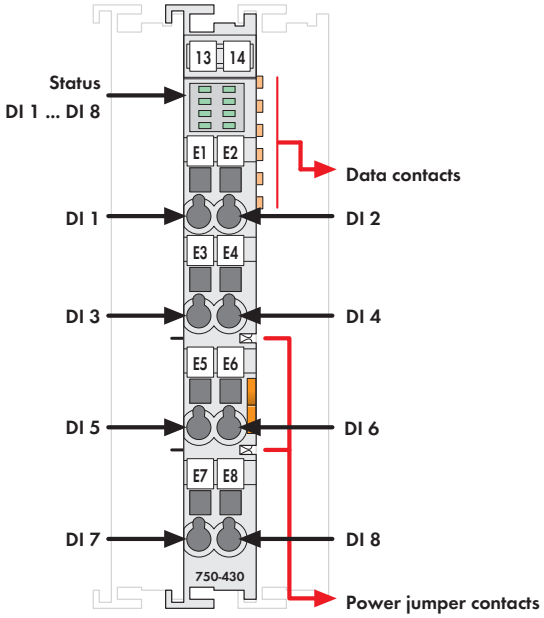
8-Channel Digital Input Module DC 24 V

1-conductor connection; high-side switching



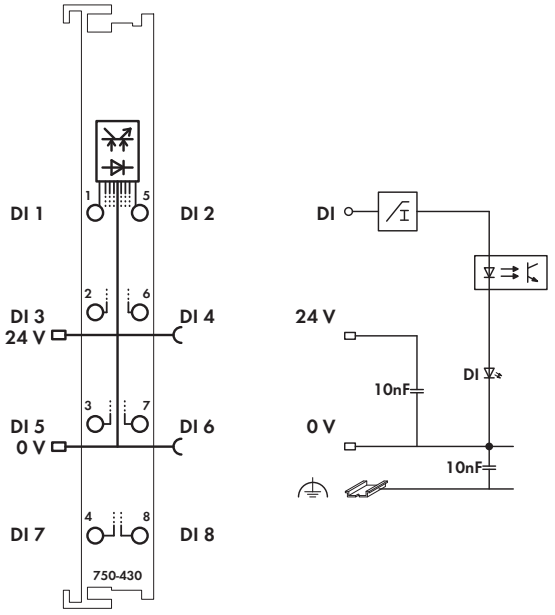


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

NOTE: Connection point marking (i.e., 1 ... 8) does not refer to channel assignment

The digital input modules provide 8 channels maintaining a width of only 12 mm. They receive control signals from digital field devices (sensors, etc.).

Each input module has a noise-rejection filter. This filter is available with different time constants.

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

Description	Item no.	Pack. unit
8DI 24V DC, 3.0ms	**750-430**	10[1]
8DI 24V DC, 0.2ms	**750-431**	10[1]
8DI 24V DC, 3.0ms	**750-430/025-000**	1
(Operating temperature -20 °C ... +60 °C)		
8DI 24V DC, 3.0ms (without connector)	**753-430**	10[1]
8DI 24V DC, 0.2ms (without connector)	**753-431**	10[1]

[1] Also available individually

Accessories		Item no.	Pack. unit
	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
Marine applications	see "Approvals Overview" in section 1

Technical Data

No. of inputs	8
Current consumption (internal)	17 mA
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)
Signal voltage (0)	DC -3 V ... +5 V
Signal voltage (1)	DC 15 V ... 30 V
Input filter	3.0 ms (750-430 / 753-430)
	0.2 ms (750-431 / 753-431)
Input current (typ.)	2.8 mA
Isolation	500 V system/supply
Internal bit width	8 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	48.5 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)
EMC marine applications -	
Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications -	
Emission of interference	acc. to Germanischer Lloyd (2003)

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