2-Channel Analog Input Module 0/4-20 mA

single-ended (S.E.)

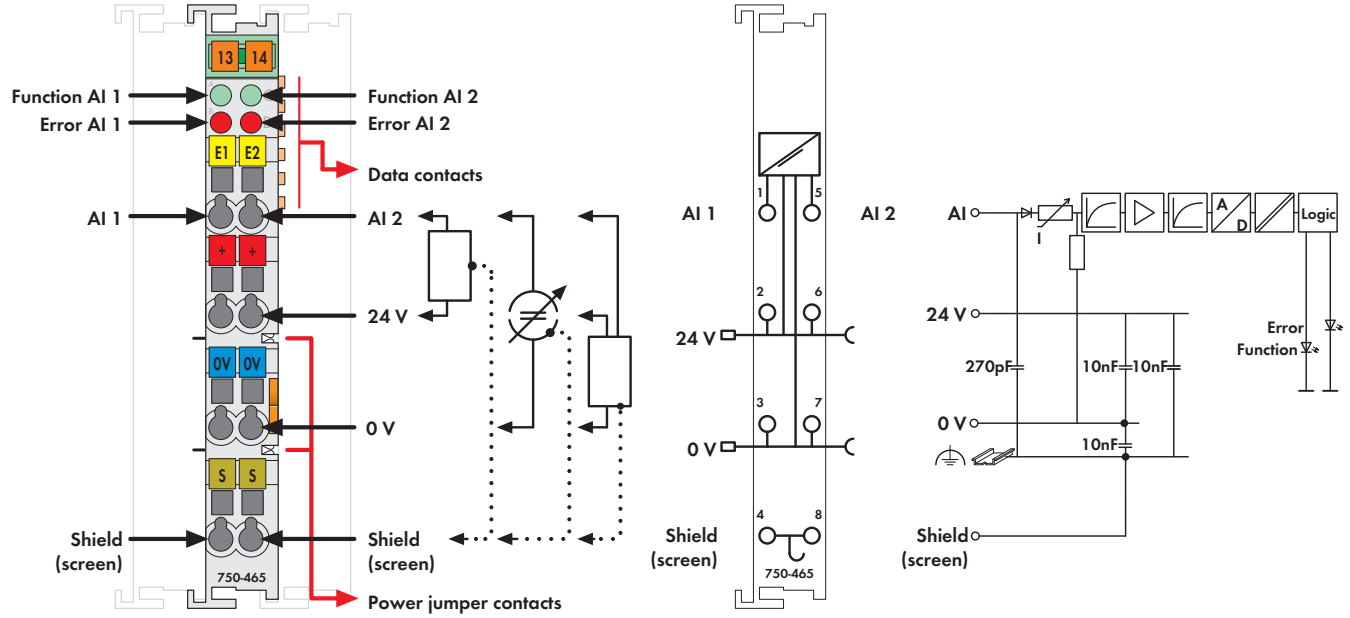

Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The analog input module is able to provide power to the field device, to receive the transmitted analog signals, and with electrical isolation, to transmit them to the fieldbus.

The 24 V supply for the field is derived from the power jumper contacts.

The shield (screen) is directly connected to the DIN rail.

This input module can supply the voltage for 2-conductor transducers.

Description	Item no.	Pack. unit
2AI 0-20mA S.E.	**750-465**	10[1]
2AI 4-20mA S.E.	**750-466**	10[1]
2AI 0-20mA S.E. S5[2]	**750-465/000-200**	1
2AI 4-20mA S.E. S5 [2]	**750-466/000-200**	1
2AI 4-20mA S.E./T	**750-466/025-000**	1
(Operating temperature -20 °C ... +60 °C)		
2AI 0-20mA S.E. (without connector)	**753-465**	1
2AI 4-20mA S.E. (without connector)	**753-466**	1

[1] Also available individually
[2] Data format for S5 control with FB 251

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	
Conformity marking	CE
UL 508	
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

Technical Data

No. of inputs	2
Voltage supply	via system voltage DC/DC
Current consumption (internal)	75 mA
Input voltage (max.)	35 V
Signal current	0 mA ... 20 mA (750-465, 753-465)
	4 mA ... 20 mA (750-466, 753-466)
Input resistance	< 220 Ω/ 20 mA
Resolution	12 bits
Conversion time (typ.)	2 ms
Measuring error (25 °C)	< ± 0.2 % of the full scale value
Temperature coefficient	< ± 0.01 % / K of the full scale value
Isolation	500 V system/supply
Bit width	2 x 16 bits data
	2 x 8 bits control/status (optional)
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	52.5 g
EMC CE-Immunity to interference	acc. to EN 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)

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