

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

single-ended (S.E.)

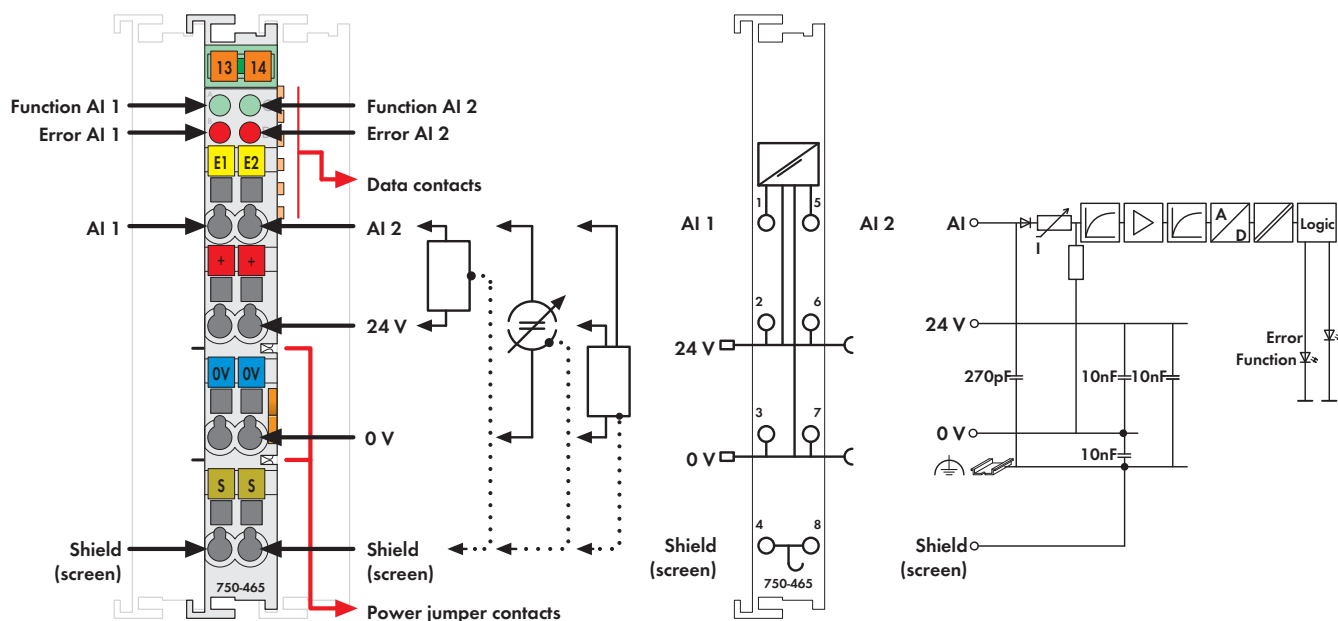


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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)