

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

Single-ended (S.E.)

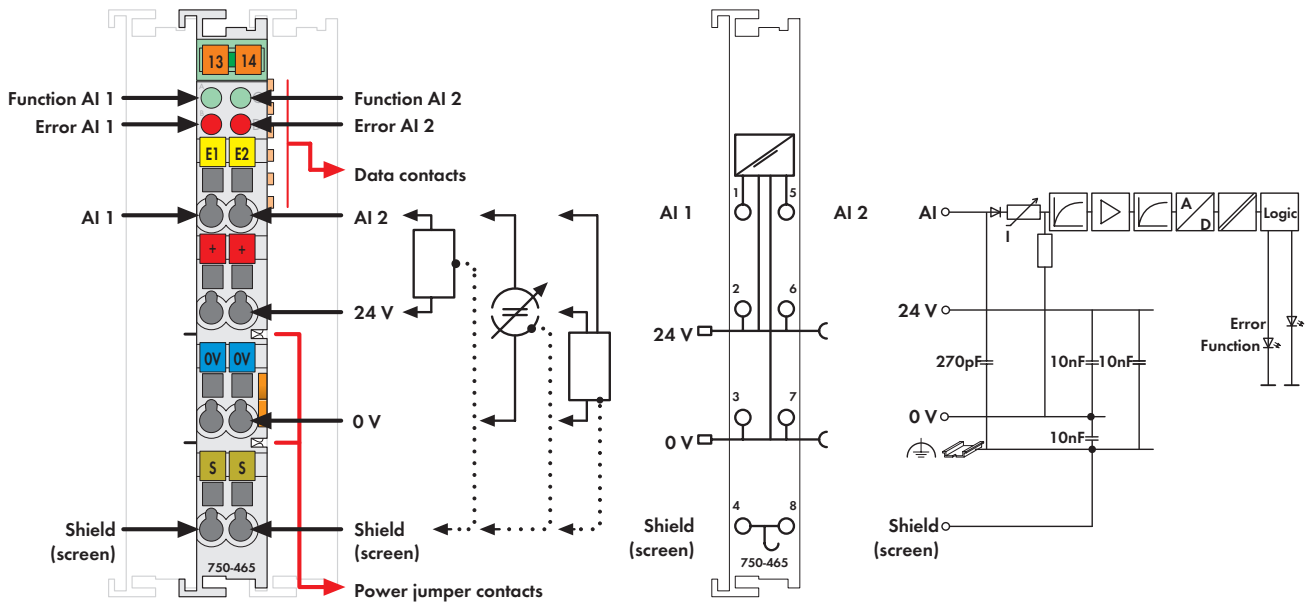


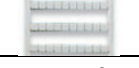
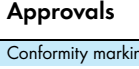
Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

The analog input module powers the transducers, receives transmitted analog signals, and with electrical isolation, transmits the signals to the fieldbus.

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

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

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

Description	Item No.	Pack. Unit
2AI 0-20mA S.E.	750-465	10 ¹⁾
2AI 0-20mA S.E. S5 ²⁾	750-465/000-200	1
2AI 0-20mA S.E./T	750-465/025-000	1
(Operating temperature -20 °C ... +60 °C)		
2AI 4-20mA S.E.	750-466	10 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 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	75x-465, -466, 750-46x/000-200
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-465, 753-466, 750-46x/000-200
EN 61241-0, -1		
EN 60079-0, -11, -15	I M2 Ex d I	750-466*
	II 3 G Ex nA IIC T4	750-466*
EN 61241-0, -1, -11	II 3 D Ex tD A22 IP6X T135°C	750-466*
* Permissible operating temperature: 0°C ... +60°C		

Technical Data	
Number of inputs	2
Power supply	via system voltage DC/DC
Current consumption (internal)	75 mA
Input voltage (max.)	10V
Signal current	0 - 20mA (750-465, 753-465) 4 - 20mA (750-466, 753-466)
Input resistance	< 220Ω / 20mA
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 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)