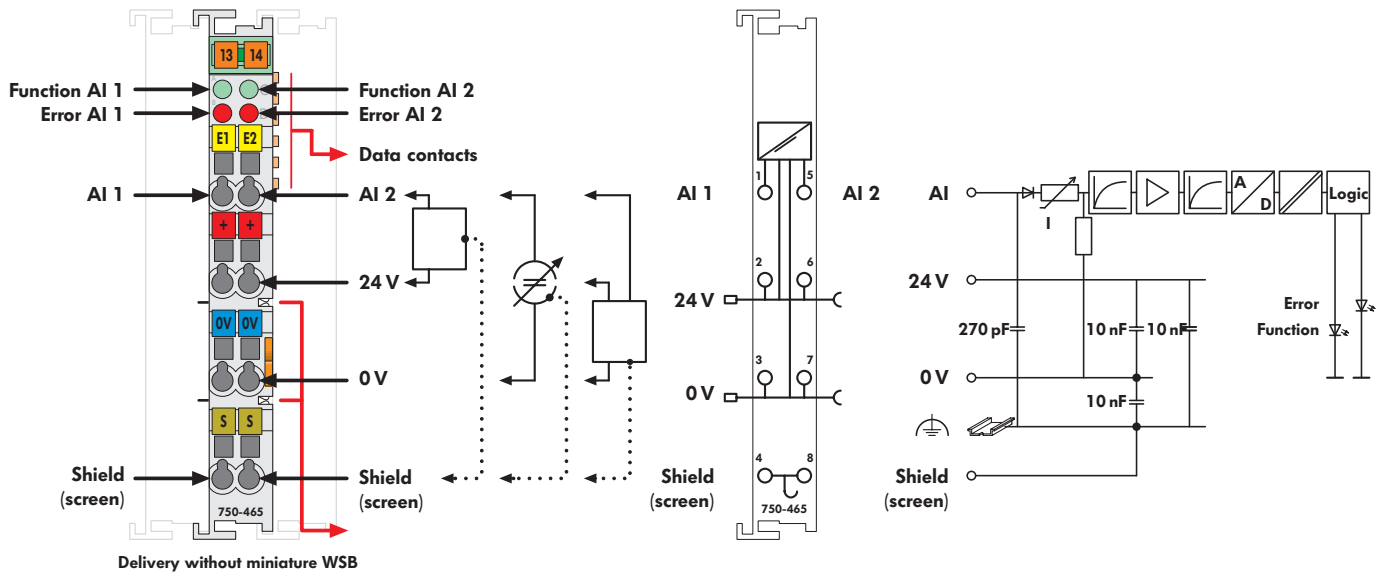


2-Channel Analog Input Module 0 /4-20 mA single-ended (S.E.)



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 pcs	Technical Data	
2AI 0-20mA single ended	750-465	10 ¹⁾	No. of inputs	2
2AI 4-20mA single ended	750-466	10 ¹⁾	Voltage supply	via system voltage DC / DC
2AI 0-20mA S.E., w/ S5²⁾	750-465/000-200	1	Current consumption (internal)	75 mA
2AI 4-20mA S.E., w/ S5²⁾	750-466/000-200	1	Input voltage max.	35V
			Signal current	0 mA ... 20 mA (750-465) 4 mA ... 20 mA (750-466)
			Input resistance	< 220 Ω at 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 (option)
¹⁾ Also available individually				
²⁾ Data format for S5 control with FB 250.				
General specifications				
Operating temperature	0°C ... +55°C			
Wire connection CAGE CLAMP®	0.08 mm² ... 2.5 mm²; AWG 28 ... 14 8 ... 9 mm / 0.33 in stripped length			
Dimensions (mm) W x H x L	12 x 64* x 100 * from upper edge of 35 DIN rail			
Weight	ca 55 g			
Storage temperature	-25°C ... +85°C			
Relative air humidity	95% no condensation			
Vibration and shock resistance	acc. to IEC 60068-2-6 acc. to IEC 60068-2-27			
Degree of protection	IP 20			
EMC CE - Immunity to interference	acc. to EN 50082-2 (1996)			
EMC CE - Emission of interference	acc. to EN 50081-1 (1993)			
Approvals				
	see pages 1.10 ... 1.13			
	II 3 G EEx nA II T4, Class I Div2 ABCD T4A			
Conformity marking	CE			
Accessories				
	Miniature WSB quick marking system			
	plain	248-501	5	
	with marking	see pages 1.174 ... 1.175		