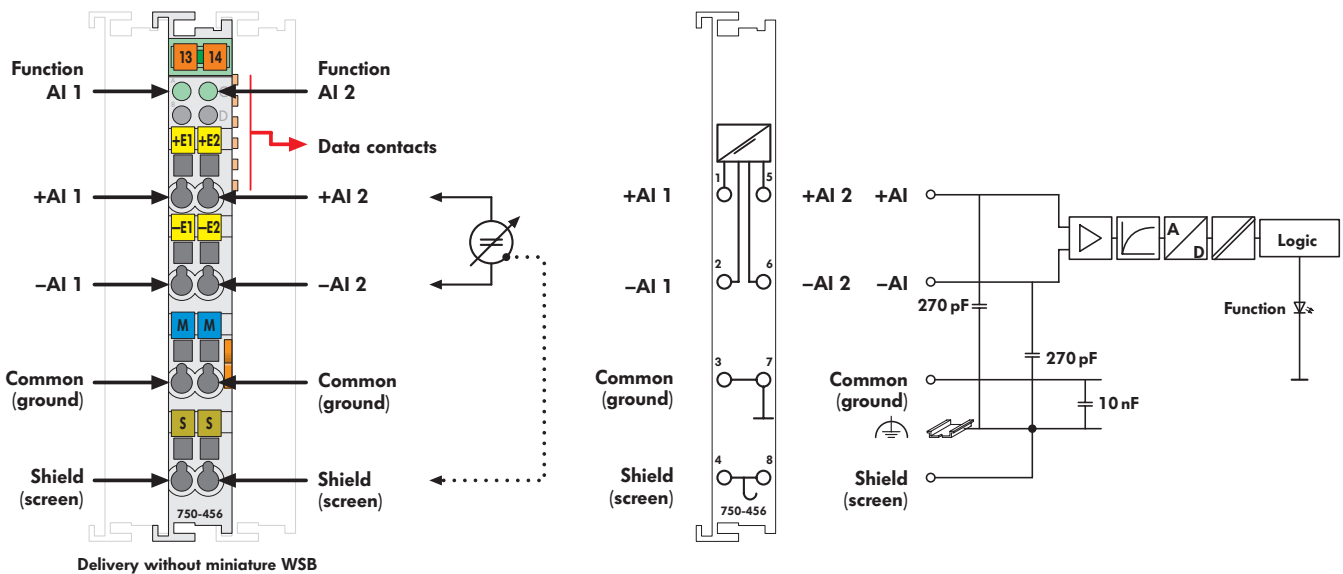





## 2-Channel Analog Input Module $\pm 10\text{ V}$ differential inputs



This analog input module receives signals with standardized values of  $\pm 10\text{ V}$ .  
The input signal is electrically isolated and will be transmitted with a resolution of 12 bits.  
The internal system supply (via the data bus contacts) is used for the power supply of the module.  
The input channels are differential inputs.  
The shield (screen) is directly connected to the DIN rail.

Description	Item-No.	Pack.-unit pcs	Technical Data	
2AI $\pm 10\text{V DC}$	750-456	10 <sup>1)</sup>	No. of inputs	2
2AI $\pm 10\text{V DC S5}$ <sup>2)</sup>	750-456/000-200	1	Voltage supply	via system voltage DC/DC
			Current consumption typ. (internal)	65 mA
			Common mode voltage max.	35 V
			Signal voltage	$\pm 10\text{ V}$
			Internal resistance typ.	570 k $\Omega$
			Resolution	12 bits
			Conversion time typ.	2 ms
			Measuring error <sub>25°C</sub>	$< \pm 0.2\%$ of the full scale value
			Temperature coefficient	$< \pm 0.015\%$ / 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)
<b>General specifications</b>				
Operating temperature	0°C ... +55°C			
Wire connection CAGE CLAMP®	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> ; 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			
Degree of protection	IP 20			
EMC C $\epsilon$ -Immunity to interference	acc. to EN 50082-2 (1996)			
EMC C $\epsilon$ -Emission of interference	acc. to EN 50081-1 (1993)			
<b>Approvals</b>				
	see pages 1.10 ... 1.13			
	II 3 G EEx nA II T4, Class I Div2 ABCD T4A			
Conformity marking	C $\epsilon$			
<b>Accessories</b>				
	<b>Miniature WSB quick marking system</b>			
	plain	248-501	5	
	with marking	see pages 1.174 ... 1.175		