



## 2-channel analog input; 0 ... 30 VDC; Differential input

Item No.: 750-483



2-channel analog input; 0 ... 30 VDC; Differential input

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	750-483
GTIN / EAN	4045454478384
Content	1
Order amount	1
Customer item number	

### Notes

*Item description:*The 2-channel analog input module processes differential signals of a standard magnitude 0–30VDC. The input signal of each channel is electrically isolated and is transmitted with a resolution of 14 bits. System voltage is used for voltage supply. The shield (screen) is directly connected to the DIN rail. *Measured-value acquisition:* time synchronous (both inputs) *Measuring range overflow/underflow:* status byte and LED *Method of conversion:* SAR (Successive Approximation Register) *Operating mode:* continuously sampling (preset) *Protection:* RC circuit *Measuring error:* 0.4 % over whole temperature scale 0.1 % of upper range value (non-linearity)

### Technical data

#### Miscellaneous

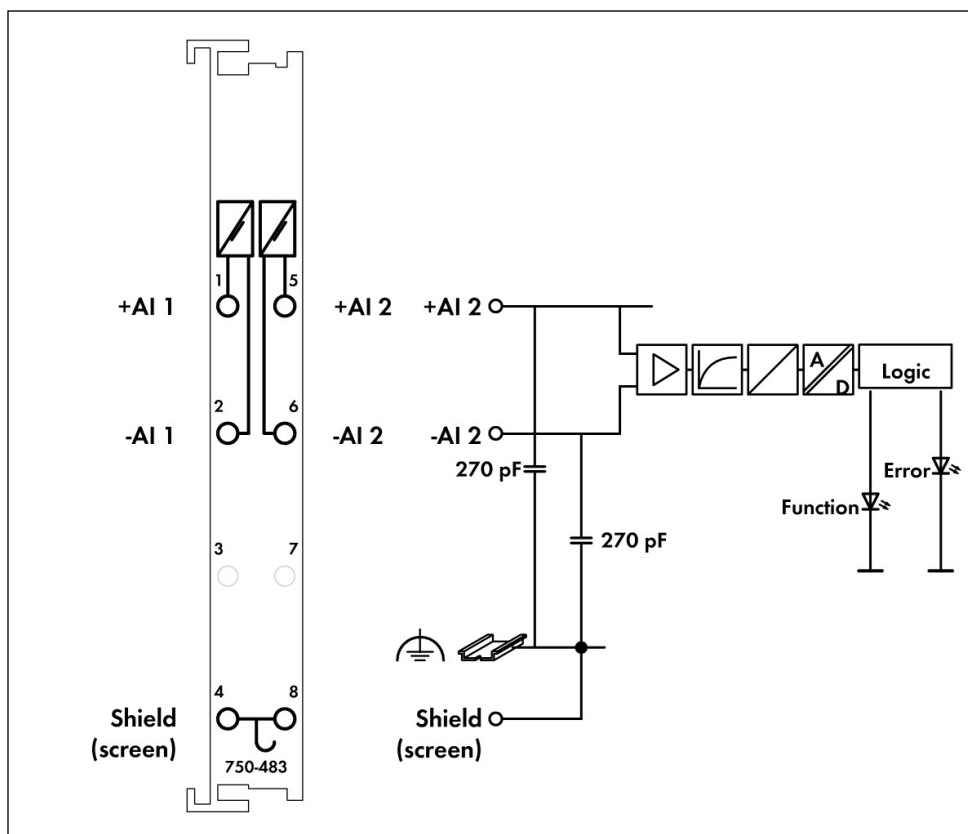
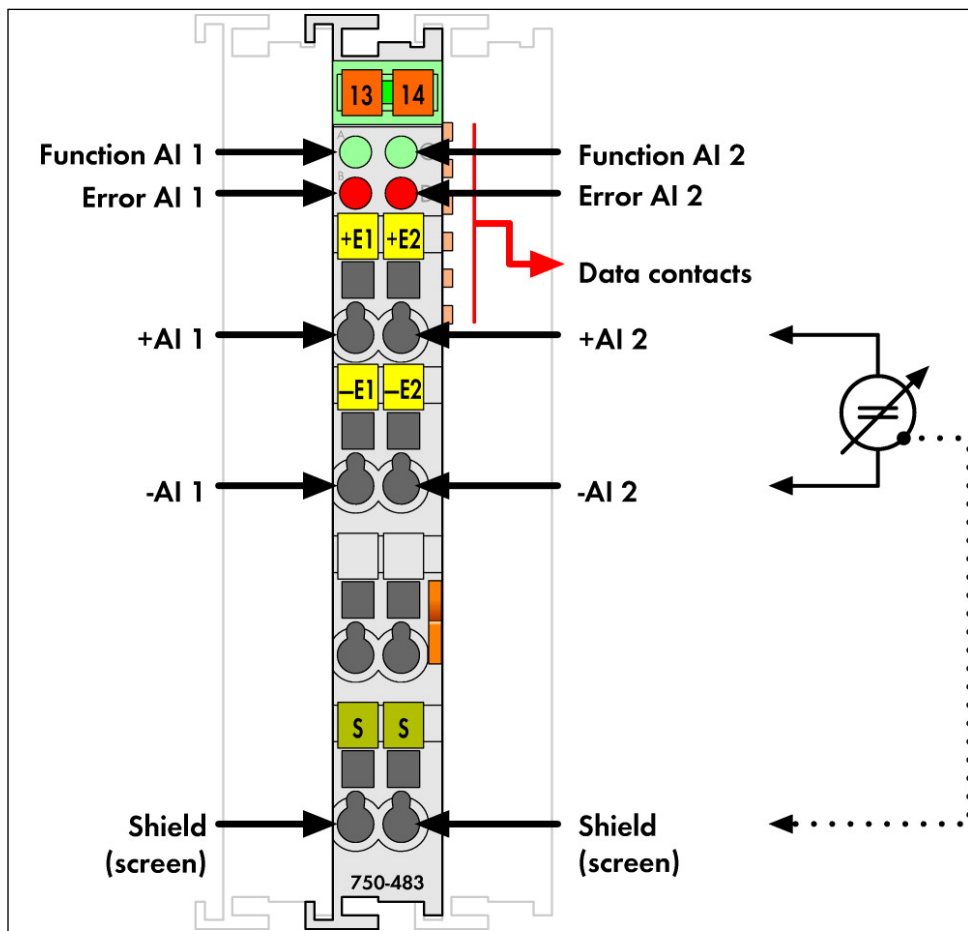
Color	light gray
Conformity marking	CE

<b>Technical data</b>	
Number of inputs	2, electrically isolated from each other
Power supply	via system voltage DC/DC
Current consumption typ. (internal) [mA]	80 [mA]
Input filter	low pass first order, $f_G = 5 \text{ kHz}$
Signal voltage	0 - 30V
Internal resistance	1 M
Resolution of the A/D converter [Bit]	14 [Bit]
Monotonicity without missing codes	yes
Resolution of measured value	14 bits
Value of the LSB (least significant bit)	1.8 mV
Measuring error (25 °C)	$\pm 0.05 \%$ of the full scale value
Temperature coefficient	$< \pm 0.01 \%$ / K of the full scale value
Crosstalk attenuation [dB]	80 [dB]
Sampling time of repetition [ms]	1 [ms]
Sampling delay (module) [ms]	1 [ms]
Sampling delay (channel/channel) [ $\mu\text{s}$ ]	1 [ $\mu\text{s}$ ]
Sampling duration [ $\mu\text{s}$ ]	5 [ $\mu\text{s}$ ]
Admissible continuous overload [V]	60 [V]
Dielectric strength	500 V DC channel/channel or channel/system
Operating mode	Triggered (Preset)
Bit width	2 x 16-bit data; 2 x 8-bit control/status (optional)
Method of conversion	SAR (Successive Approximation Register)
Measuring range overflow/underflow	Status byte and LED
Measured-value acquisition	Time synchronous (both inputs)
Protection	RC circuit
Type of signal	0 ... 30 VDC
Degree of protection	IP20
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 Inch
Fire load [MJ]	1.248 [MJ]
Weight [g]	50.5 [g]
Width	12 mm / 0.472 Inch
Height	69.8 mm / 2.748 Inch

<b>Technical data</b>	
<i>Height from upper-edge of DIN-35 rail</i>	<i>62.6 mm / 2.465 Inch</i>
<i>Depth</i>	<i>100 mm / 3.937 Inch</i>
<i>Storage temperature</i>	<i>-25 °C ... +85 °C</i>
<i>Relative air humidity (no condensation) [%]</i>	<i>95 [%]</i>
<i>Type of mounting</i>	<i>DIN-35 x 15 carrier rail</i>
<i>Operating temperature</i>	<i>0°C ... +55°C</i>
<i>EMC emission of interference</i>	<i>acc. to EN 61000-6-4, marine applications</i>
<i>EMC immunity to interference</i>	<i>acc. to EN 61000-6-2, marine applications</i>
<i>Shock resistance</i>	<i>acc. to IECacc. to IEC 60068-2-27</i>
<i>Vibration resistance</i>	<i>acc. to IECacc. to IEC 60068-2-6</i>

Images & drawings





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Technische Änderungen und Irrtümer vorbehalten.