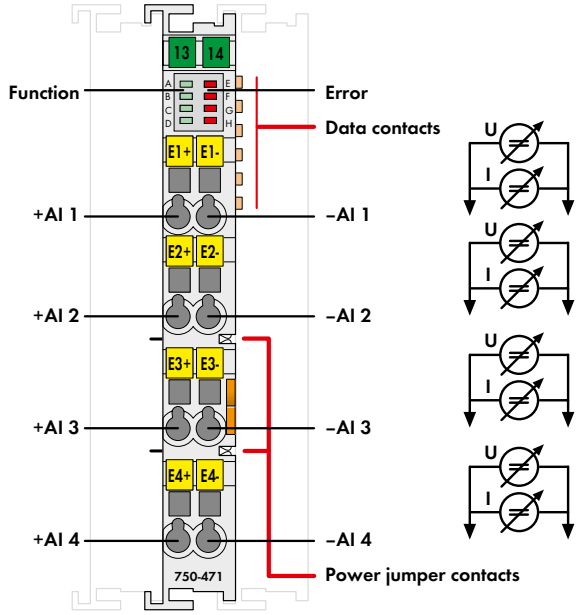
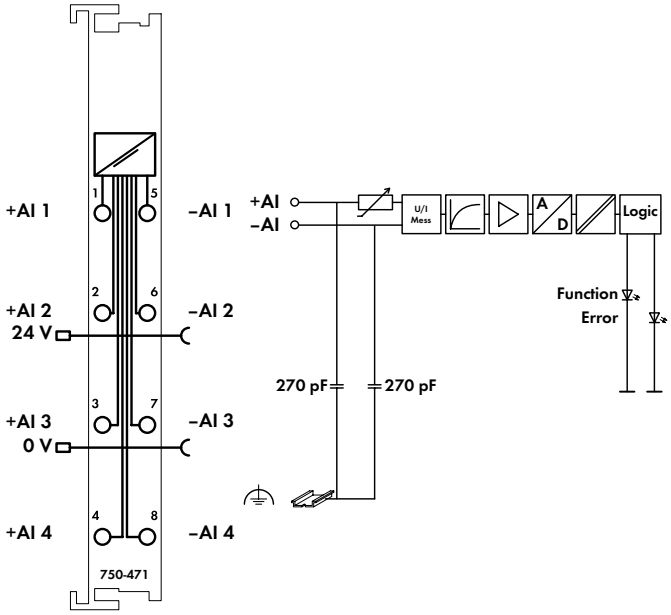
4-Channel Analog Input; for Voltage/Current





This analog input module processes both voltage and current differential signals.

- 0 … 20 mA, 4 … 20 mA, 3.6 … 21 mA NE43, ±20 mA, 0 … 10 V, ±10 V, ±200 mV
- Channel-wise parameterizable measurement ranges
- Channels are electrically isolated from one another
- 16-bit resolution

A wire break, overload or out-of-measurement range are indicated channel by channel via red LED depending on the set measurement range. The module can be configured via GSD file, ***e!****COCKPIT* and WAGO-I/O-*CHECK*.

Description	Item No.	Pack. Unit
4AI U/I Diff Galv	**750-471**	1

Accessories	Item No.	Pack. Unit
Mini-WSB Quick Marking System, plain	**248-501**	50

Approvals	
Conformity marking	CE
ATEX Directive 2014/34/EU	pending
EU EMC Directive 2014/30/EU	
Marine applications	DNV GL
E175199 Ordinary Locations	
TÜV 07 ATEX 554086 X	pending
TUN 09.0001 X	pending
UL E198726 Hazardous Locations	pending

Technical Data	
Number of analog inputs	4 (electrically isolated)
Supply voltage (system)	5 VDC; via data contacts
Current consumption (system supply)	100 mA
Signal type	Voltages and currents
Signal characteristic	Differential
Measurement range	0 … 20 mA; 4 … 20 mA;
	3.6 … 21 mA NE43; ±20 mA
	0 … 10 V; ±10 V; ±200 mV
Sensor connection	2 conductors
Input impedance	AI (U) >100 kΩ;
	AI (I) <130 Ω (typ. 113 Ω)
Resolution	16 bits (15 bits + sign bit)
Conversion time	≤ 5 ms
Measuring error (25 °C)	≤ ±0.1 % (≤ ±0.2 % at ±200 mV) of the
	upper-range value
Temperature error	≤ ±0.01 %/K of the upper-range value
Functional insulation	2000 VDC system/channel;
	2000 VDC channel/channel
Data width	4 x 16-bit data;
	4 x 8-bit control/status (optional)
Connection technology: inputs	CAGE CLAMP®
Conductor range	0.08 … 2.5 mm² / 28 … 14 AWG
Strip length	8 … 9 mm / 0.33 inch
Dimensions W x H x D	12 x 67.8 x 100 mm
Weight	50 g
EMC immunity to interference	Per EN 61000-6-2; marine applications
EMC emission of interference	Per EN 61000-6-4; marine applications