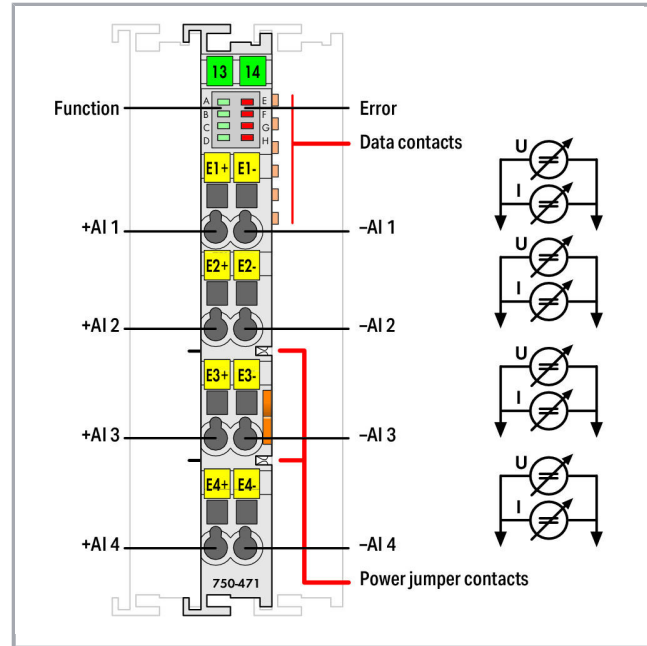




Data sheet | Item number: 750-471

4-channel analog input; Voltage/Current; Differential input; 16 bits;
Diagnostics; light gray

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RoHS Compliant

BOMcheck.net

Color:

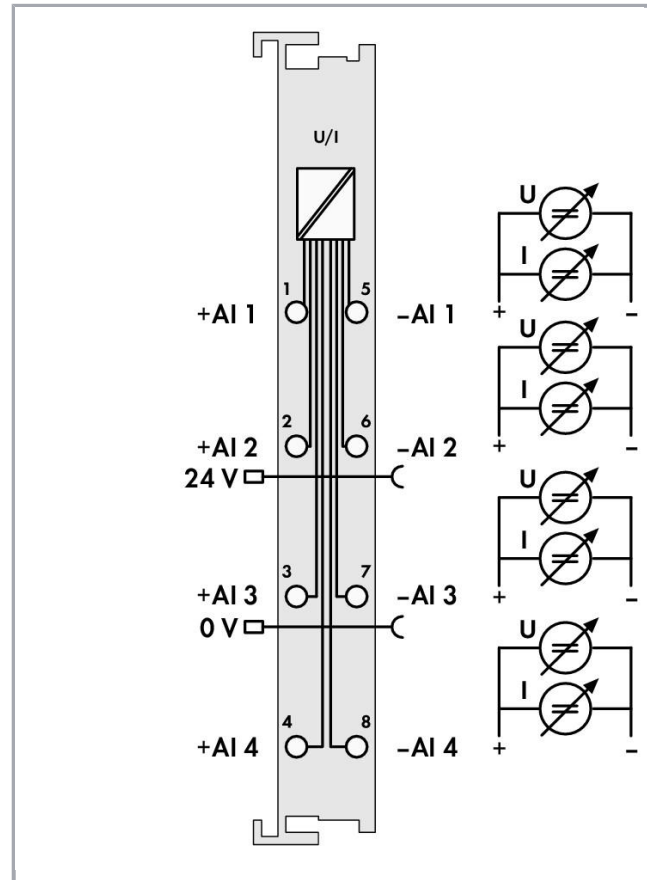
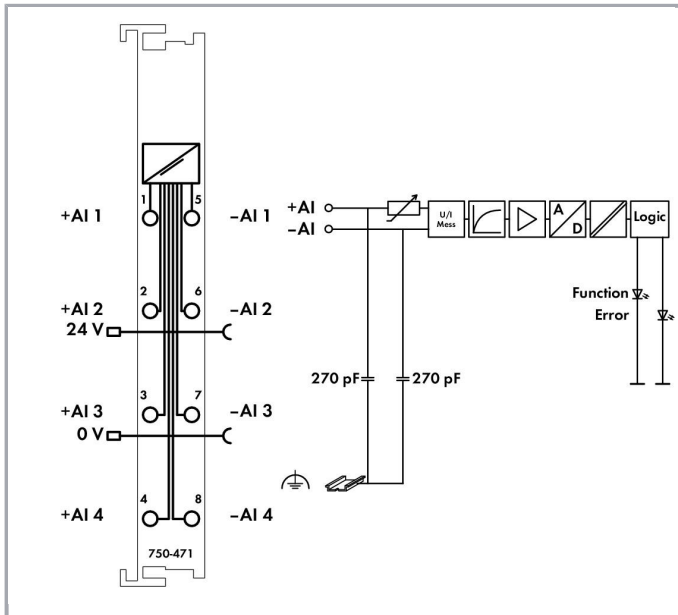
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Item description

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
- Electrically isolated channels
- 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.

Data

Technical Data

Number of analog inputs	4
Total number of channels (module)	4
Signal type	Electricity

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	Voltage
Signal type (current)	DC 0 ... 20 mA; DC 4 ... 20 mA; DC 3.6 ... 21 mA; DC -20 ... +20 mA
Voltage signal type	DC 0 ... 10 V; DC -10 ... +10 V; DC -0.2 ... +0.2 V
Signal type (configurable)	yes
Sensor connection	4 x (2-wire)
Signal characteristic	Differential
Resolution [bit]	16 Bit
Input resistance (max.)	120 Ω
Data width	4 x 16-bit data; 4 x 8-bit control/status (optional)
Internal resistance	100 kΩ
Conversion time (typ. ≤)	10 ms
Reference for measurement error	Input ranges
Measurement error (reference temperature)	25 °C
Measurement error – deviation (max.) from the upper-range value	0.1 %
Reference for measurement error (2)	±200 mV
Measurement error, reference temperature (2)	25 °C
Measurement error, deviation (max.) of the upper-range value (2)	0.3 %
Temperature error (max.) of the upper-range value	0.01 %/K
Supply voltage (system)	DC 5 V; via data contacts
Power consumption (5 V system supply)	100 mA
Supply voltage (field)	DC 24 V; via power jumper contacts (power supply via blade contact; transmission via spring contact)
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	10 A

Connection data

Connection technology: inputs/outputs	8 x CAGE CLAMP®
Connection type (1)	Inputs/Outputs
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

Geometrical Data

Width	12 mm / 0.472 inch
Height	100 mm / 3.937 inch
Depth	69.8 mm / 2.748 inch

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Depth from upper edge of DIN-rail	62.6 mm / 2.465 inch
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Mechanical data

Mounting type	DIN-35 rail
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Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load	0.885 MJ
Weight	51.5 g
Conformity marking	CE

Environmental Requirements

Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying); vertical
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-4, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143764520
Customs tariff number	85389099990

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Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079	TUEV_14_ATEX_148929_X
	IECEX TUEV Nord Cert GmbH	IEC 60079	IECEX_TUN_14.0035_X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP- REM-W43- AIM750

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1821926
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	LR Lloyds Register	-	02/20026 (E6)
	RINA RINA Germany GmbH	-	ELE066419XG

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199 Sec10

Product family

750/753 Series – I/O System

[Show all products from the family](#)

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