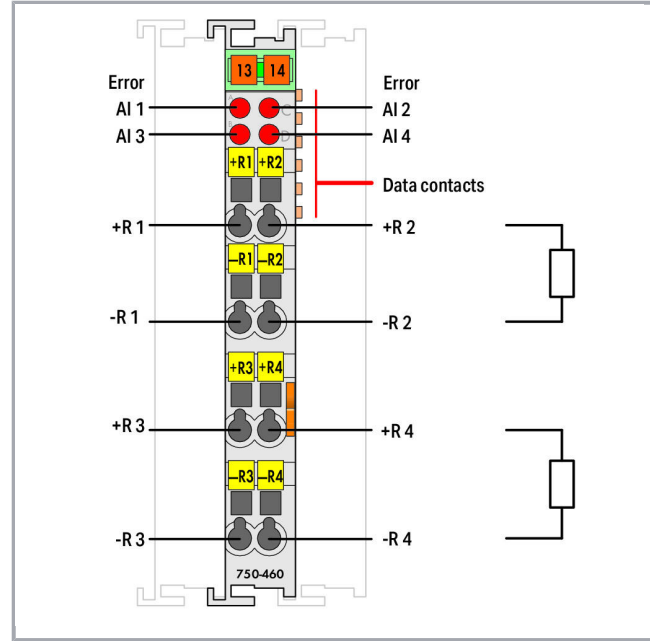




Data sheet | Item number: 750-460

4-channel analog input; For Pt100/RTD resistance sensors; light gray

www.wago.com/750-460



RoHS Compliant

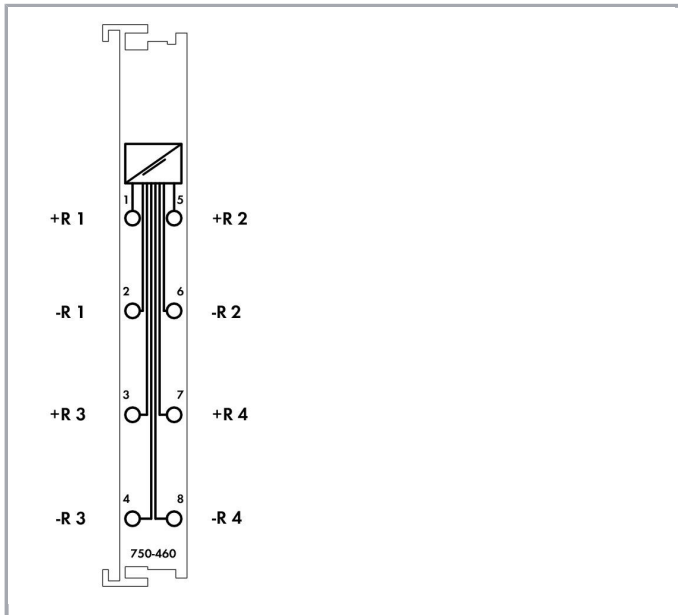
BOMcheck.net

Color:

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
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 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
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Do you have any questions about our products?
 We are always happy to take your call at 01788 568 008.

Data sheet | Item number: 750-460www.wago.com/750-460**Item description**

This analog input module directly connects to Pt resistance sensors.

Two-wire sensors can be connected.

The module automatically linearizes the entire temperature range. A sensor error (short circuit, line break or measurement range overflow) is indicated by a red LED.

Data**Technical Data**

Number of analog inputs	4
Total number of channels (module)	4
Signal type	Resistance measurement
Sensor connection	4 x (2-wire)
Data width	4 x 16-bit data; 4 x 8-bit control/status (optional)
Resolution (over entire range)	0.1 °C
Conversion time (typ. ≤)	250 ms
Measurement error (reference temperature)	25 °C
Measurement error – deviation (max.) from the upper-range value	0.2 %
Temperature error (max.) of the upper-range value	0.01 %/K
Measured current (typ.)	0.5 mA
Sensor types	Pt100
Temperature range	-200 ... +850 °C

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Data sheet | Item number: 750-460www.wago.com/750-460

Supply voltage (system)	DC 5 V; via data contacts
Power consumption (5 V system supply)	65 mA
Isolation	500 V system/field

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

Mechanical data

Mounting type	DIN-35 rail
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Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	51.8 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	per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27

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Data sheet | Item number: 750-460www.wago.com/750-460

EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4
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

Product Group	15 (Remote I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4045454848927
Customs tariff number	85389099990

Approvals / Certificates**Country specific Approvals**

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

Product family

750/753 Series – I/O System
[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!

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