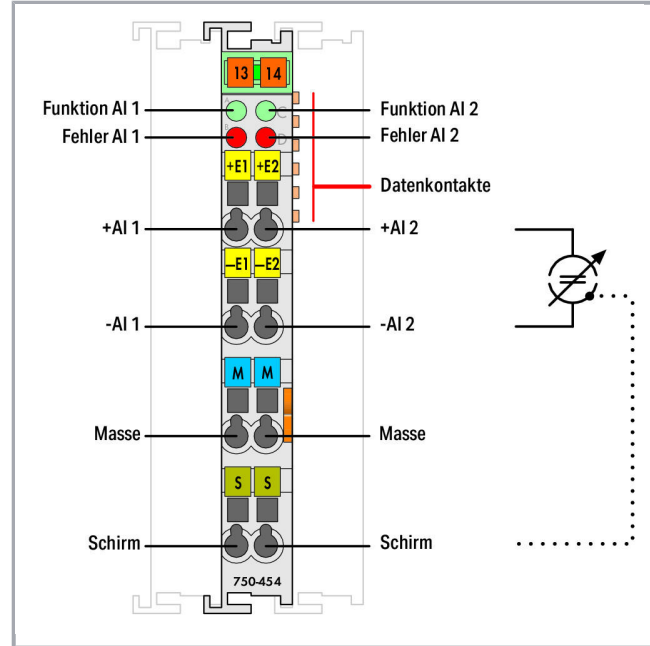




Data sheet | Item number: 750-454

2-channel analog input; 4 ... 20 mA; Differential input; light gray

www.wago.com/750-454



RoHS Compliant

BOMcheck.net

Color:

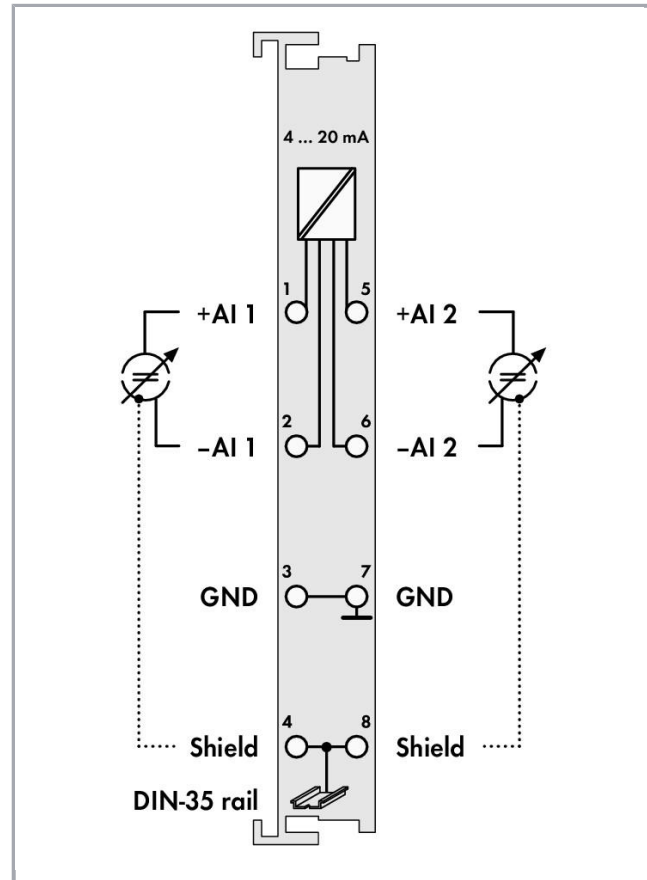
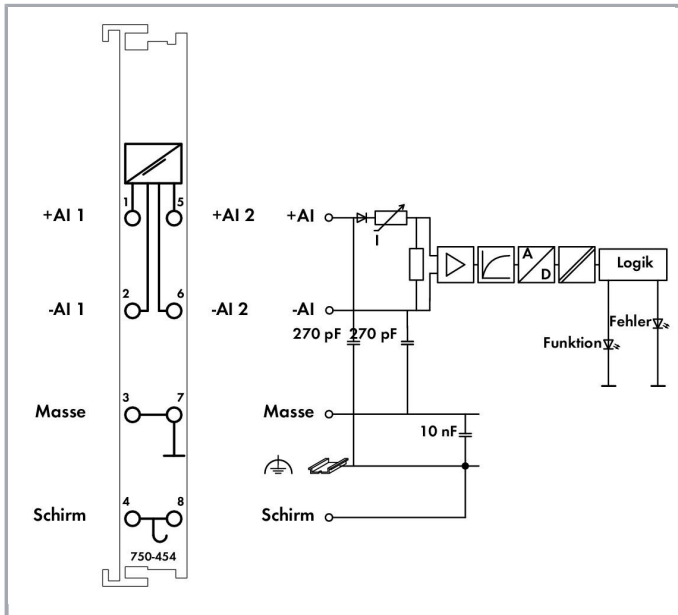
Subject to changes. Please also observe the further product documentation!

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Data sheet | Item number: 750-454

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Item description

This analog input module processes standard 4–20 V signals.

The input signal is electrically isolated and transmitted with a resolution of 12 bits.

The internal system supply powers the module.

The input channels of the module are differential inputs.

The shield directly connects to the DIN-rail.

Data

Technical Data

| | |
|-----------------------------------|----------------|
| Number of analog inputs | 2 |
| Total number of channels (module) | 2 |
| Signal type | Electricity |
| Signal type (current) | DC 4 ... 20 mA |
| Sensor connection | 2 x (2-wire) |

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Data sheet | Item number: 750-454www.wago.com/750-454

| | |
|---|--|
| Input voltage (max.) | 35 V |
| Signal characteristic | Differential |
| Resolution [bit] | 12 Bit |
| Input resistance (max.) | 220 Ω |
| Data width | 2 x 16-bit data; 2 x 8-bit control/status (optional) |
| Conversion time (typ. \leq) | 2 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 |
| Supply voltage (system) | DC 5 V; via data contacts |
| Power consumption (5 V system supply) | 70 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 |
|---------------|-------------|

Material Data

| | |
|--------------------|------------------------------|
| Color | light gray |
| Housing material | Polycarbonate, polyamide 6.6 |
| Weight | 49.8 g |
| Conformity marking | CE |

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Data sheet | Item number: 750-454www.wago.com/750-454**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

| | |
|-----------------------|-----------------|
| Product Group | 15 (Remote I/O) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454483098 |
| Customs tariff number | 85389099990 |

Approvals / Certificates**Ex-Approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------------------------------|--------------------------|-----------------------------------|
| | ATEX TUEV Nord Cert GmbH | EN 60079-0 | TÜV 07 ATEX 554086 X en. |
| | TUEV Nord TUEV Nord Cert GmbH | IEC 60079-0 | IECEX TUN 09.0001 X |

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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 |
|  | BV Bureau Veritas S.A. | - | 13453/DO BV |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAA0000194 |
|  | KR Korean Register of Shipping | - | KR HMB05880- AC001 |
|  | LR Lloyds Register | - | 02/20026 (E6) |
|  | NK Nippon Kaiji Kyokai | - | TA17255M |
| | PRS Polski Rejestr Statków | - | TE/2236 /880590/19 |

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RINA
RINA Germany GmbH

ELE066419XG

Product family

750/753 Series – I/O System

[Show all products from the family](#)

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