



Isolation amplifier

2204

- Input galvanically separated from output and supply
- Current or voltage input
- Signal conversion
- Current and voltage output
- 24 VDC supply or universally supplied
- Applicable in PELV/SELV circuits







Advanced features

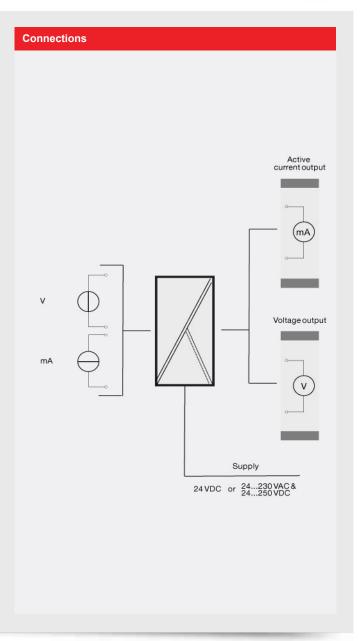
· Factory-calibrated measurement ranges for input and outputs in the 2204 can be selected by the internal DIP-switches without the need for recalibration.

Application

- · Signal isolator for analog current / voltage signals.
- 1:1 or signal conversion of analog current /voltage signals within the ranges: 0...10 VDC or 0...50 mA on the input and 0...20 mA and 0...10 VDC in fixed ranges on the output.
- · Analog signal conditioning with microprocessor based gain and zero offset giving a response time of less than 25 ms.

Technical characteristics

- Universally supplied units have a 3-port galvanic separation between input, supply, and output.
- Mounting for a standard 11-pole socket which can be adapted for DIN rail or plate use with PR's 7023 adaptor and 7024 mounting keying.



Order:

| Туре | Input | | Output | | Supply | |
|------|---------|-----|---------|-----|-------------|-----|
| 2204 | 020 mA | : A | Special | : 0 | 24 VDC | : D |
| | 420 mA | : B | 020 mA | : 1 | 24230 VAC & | : P |
| | 01 V | : C | 420 mA | : 2 | 24250 VDC | |
| | 0.21 V | : D | 05 mA | : 3 | | |
| | 010 V | : E | 01 V | : 4 | | |
| | 210 V | : F | 0.21 V | : 5 | | |
| | Special | : X | 010 V | : 6 | | |
| | | | 210 V | : 7 | | |

Environmental Conditions

| Specifications range | -20°C to +60°C |
|-------------------------|----------------------|
| Calibration temperature | 2028°C |
| Relative humidity | < 95% RH (non-cond.) |
| Protection degree | IP50 |

Mechanical specifications

Common specifications

Supply

Isolation voltage

Response time

Input specifications

Common input specifications

Current input

Voltage input

| weasurement range | 010 VDC |
|-------------------------------|---------|
| Min. measurement range (span) | 0.2 VDC |
| Input resistance | 10 ΜΩ |

Output specifications

Current output

| Signal range | 05 mA / 020 mA |
|-------------------------|-----------------------------|
| Min. signal range | 4 mA / 16 mA |
| Load (@ current output) | ≤ 600 Ω |
| Load stability | ≤0.01% of span / 100 Ω |
| Current limit | 2328 mA |
| | |
| *of span | = of the presently selected |
| | |

Observed authority requirements

| 2014/30/EU |
|----------------|
| 2014/35/EU |
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| TR-CU 020/2011 |
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