This mini-module with triple isolation (2000V) proportionally converts "0 to ±100mV" applied on its input into "0 to ±20mA", rapidly and precisely.

**Input**
0 to ±100mV; impedance >100kΩ

**Output**
0 to ±20mA, on load ≤ 500Ω

**Accuracy**
better than 0.2%

**Regulation**
<5.10⁻⁴, with load varying from 0 to 500Ω

**Ripple**
< 300μA

**Response time**
< 2.5 ms (can be increased upon request)

**Isolation**
Triples: 2000V

**Power supply voltage**
- standard, 24V DC ±10% / < 45 mA
- optional power supply:
  - 24V/ or 110V/- or 230V/- ±10% / 48Hz to 400Hz
  - 5V or 12V or 48V DC

**Possible load**
≤ 500Ω

**Protection**
- against inverted connections on the power supply
- against accidental overvoltage on input: ± 0.5V
- against overloads and short-circuits
- against bipolar overvoltages on the output
- isolations 2000V
- against vibrations, and tropicalisation: with moulding
- sealing IP67, except connections
- elimination of the faulty-contact risk (no DIL switch)
- negligible temperature rise (high performance conversion)
- electromagnetic compatibility CEM 89 / 336 / CE

**Temperatures**
- coefficient: < 2.10⁻⁴ / °C
- operation: -20°C to +60°C
- storage: -40°C to +90°C

**Three modules**
- DIN rail mounting (RD)
- wall mounting with external connector and 2 M3 screws (P)
- mounting on printed circuit, connecting pins Ø 1mm (CI)

**Optional**
- all-aluminum case, 89 x 35 x thickness 16 or 30mm, with three mounting possibilities (M)

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**Isolated CONVERTER voltage ↔ current**
0 to ±100mV ↔ 0 to ±20mA — Triple isolation

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**Conversion of low bipolar voltage**
into proportional bipolar current; multiple protections; easy set-up; economical