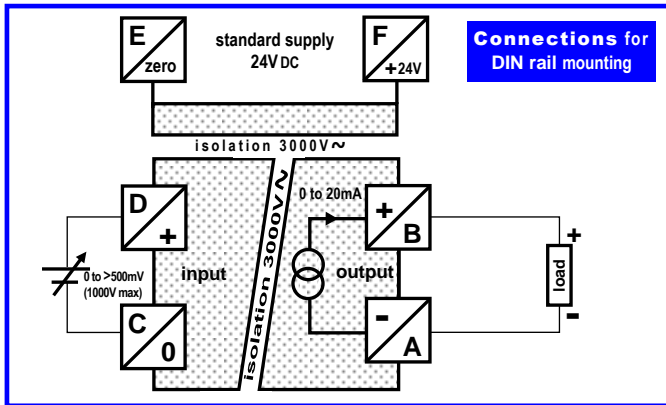


Voltage conversion with **input defined by customer** "0 to 20mA" output; multiple protections; easy set-up; economical



This mini-module with triple isolation (3000V~) precisely and rapidly amplifies (or reduces) non-standard input signals. The input range is *defined by customer when ordering*.

**Input**  $V_{in} = 0$  to value of your choice (from 500mV to maximum 1000V)

**Output** 0 to 20mA, on load ≤ 500Ω

**Accuracy** better than 0.2%

**Regulation** <  $10^{-4}$ , with load varying from 0 to 500Ω

**Ripple** < 300 μA

**Response time** < 2 ms (can be increased upon request)

**Isolation** Triple  $\left\{ \begin{array}{l} \text{input / output} \\ \text{input / supply} \\ \text{output / supply} \end{array} \right\} 3 \text{ KV} \sim$

**Power supply voltage**

- standard, 24V DC ±5% / ≤ 28mA / 500Ω on load and ≤ 15mA under no load
- optional power supply:
  - ♦ 24V~ or 110V~ or 230V~ ±10% / 48Hz to 400Hz
  - ♦ 5V or 12V or 48V DC

**Possible load** 0 to 500Ω maximum

**Protections**

- against inverted connections on the input and power supply
- against accidental overvoltage on input:  $2 V_{in}$
- against overloads and short-circuits
- against bipolar overvoltages on the output
- isolations 3000V~
- 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

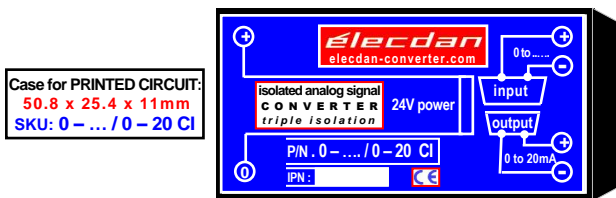
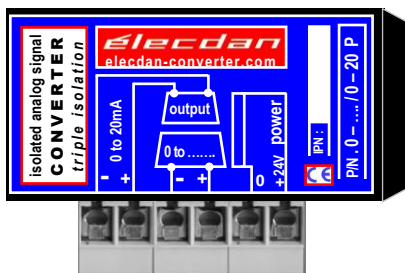
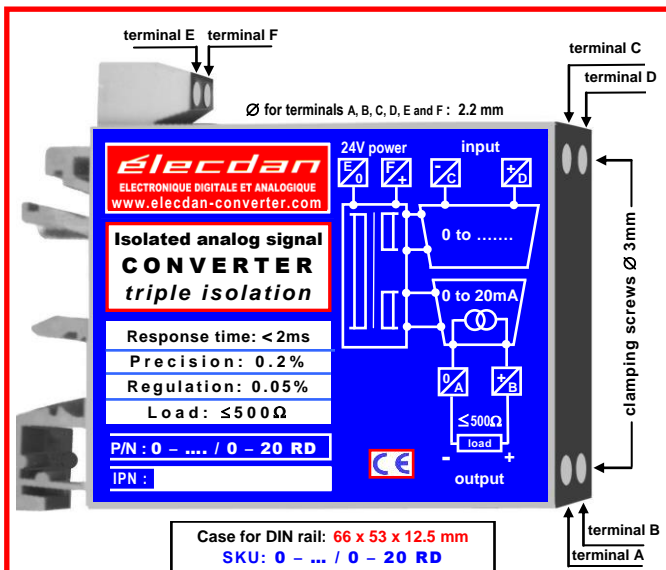
**Temperatures**

- coefficient: <  $2 \cdot 10^{-4} / ^\circ\text{C}$
- 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 PCB, connecting pins Ø 1mm (CI)

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



Standard SKU (supply 24V DC) <i>replace points with chosen input</i>	Dimensions of the cases (mm) - Weight (grams)														
	Mounting on DIN rail (RD) Dimensions / Weight				Mounting on wall (P) Dimensions / Weight				Center distance between 2 M3	Mounting on printed circuit (CI) Dimensions / Pins center distance / Weight				Pre-tax price	
0-... / 0-20 RD	66 + 11	53 + 9	12.5	65g											
0-... / 0-20 P					50.8	25.4 + 10	11	35g	43.18	Pins distance: $\left\{ \begin{array}{l} 43.18 \times (5.08 + 7.62 + 5.08) \\ \text{or } 43.18 \times 43.18 \end{array} \right.$					
0-... / 0-20 CI										50.8	25.4	11	30g		
OPTIONAL INPUT VOLTAGES	5V or 12V or 48V DC	66 + 11	53 + 9	12.5	65g	50.8	50.8	11	65g	43.18	50.8	50.8	11	65g	
	24V~ or 110V~ or 230V~		53	22.5	125g	70 + 10	50	21	148g	60.96	50	70	21	135g	
After SKU please write the desired input voltage and case – Example: 0-... / 0-20 / 5 RD for optional 5V voltage supply and case to be mounted on DIN rail															