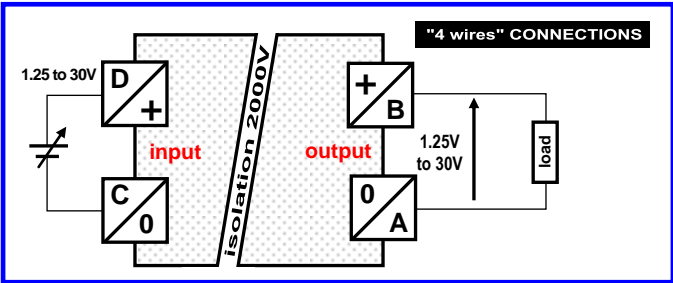


Isolation of analog signals of any value between 1.25 and 30 V - convenient & easy to use



Case for DIN rail: 66 x 53 x 12.5 mm
SKU: VCS 1 - 30 RD

Case for PRINTED CIRCUIT: 50.8 x 25.4 x 11 mm
SKU: VCS 1 - 30 CI

Case for WALL mounting: 50.8 x 50.8 x 11 mm
SKU: VCS 1 - 30 P

Powered only with a low current collected from the input signal, this "passive" quadripole isolates and perfectly transmits analog signals from 1.25V to 30V applied on its input to its output.

Input

- applied signal: 1.2V to 30V (accidental maximum: 50V)
- absorbed current:
 - < 2 mA for $V_{in} \leq 5V$
 - < 4 mA for $V_{in} \leq 10V$
 - < 8 mA for $V_{in} \leq 30V$

Output

- output signal: 1.2V to 30V
- short-circuits: permitted
- load: $\geq 47 \text{ k}\Omega$

Full-scale accuracy better than 0.2%

Response time < 5 ms (possible betterment, linearly, with an external capacitor)

Isolation > 2000V

Protections

- against accidental overvoltage on input: up to 50V
- against overloads and short-circuits on output
- isolation: 3000V
- increased reliability because of no external power supply
- against vibrations; 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: $< 2.10^{-4} / ^\circ\text{C}$
- operation: -20°C to $+60^\circ\text{C}$
- storage: -40°C à $+90^\circ\text{C}$

Three modules

SKU	Pre-tax price
VCS 1-30 RD	
VCS 1-30 CI	
VCS 1-30 P	

Upon request, with the same "self-powered" technology: choice of input range (example: 2V to 7V) for output 0 to 10V.