

CPA3

3 CHANNELS ACTIVE POWER CONVERTER



DESCRIPTION

The CPA3 is designed for high-accuracy measurement of the active power of a three-phase network (balanced load or not). This transducer provides three types of output : frequency, pulse and analog (optional).

Inputs :

- Nominal Voltage V_n : 380VAC max.
- Nominal Current I_n : 1 or 5AAC

Outputs :

- Impulse (Oimp.) : Open collector type 1A / 50KV max.
- Frequency (Ofr.) : 0-10KHz / 0-24V square (0-50Khz version also available)
- Analog (Oana.) : optional 0-20mA or 4-20mA configurable by micro-switches

FEATURES

INPUT 1 - voltage

- 0-100VAC
- 0-220VAC
- Specific : from 0-1VAC to 380VAC
- 0-110VAC/3

INPUT 1 - current

- 0-1AAC
- 0-5AAC
- 3 TORES 300A
- Specific : from 0-1mAAC to 5AAC or 0-10mVAC to 100VAC

OUTPUT 1 - frequency

- 0-10KHz / 0-24V
- 0-50kHz / 0-24V
- Specific : from 0-1KHz to 100KHz / 0-24V

OUTPUT 2 - current

- 4-20mA
- 0-20mA

OUTPUT 3 - frequency

- "Open collector" type 1A / 50V max., default 1000 imp/h, Pulse time: 100 ms, Ratio max.: 36000 imp/h

POWER SUPPLY

- 70 to 260VAC / 45 to 65Hz / 8VA max.
- or 100 to 350VDC / 8VA max.

GALVANIC ISOLATION

- > 1000 Vrms for : Oana / I, Ix / Iy
- > 3500 Vrms for : IN & OUT / SUPPLY, IN / Oimp / Ofr

ACCURACY

- > 0.2% FS from 50 to 100% Full scale (Cos>0.94)
- > 0.5% FS from 10 to 100% Full scale (Cos>0.94)

TEMPERATURE RANGE

- -25 to 70°C

TEMPERATURE DRIFT

- < 50ppm/°C

PRICE On quote only

WEB LINK [Click here](#)

SECTOR ALUMINIUM ELECTROLYSIS | ENERGY | ALL INDUSTRIES
USAGE ALUMINIUM ELECTRICAL TEAM

WEIGHT 1400 g

LENGTH 200 mm

WIDTH 121 mm

HEIGHT 123 mm

CUSTOMS CODE 90 30 39 00 91

C. OF ORIGIN France

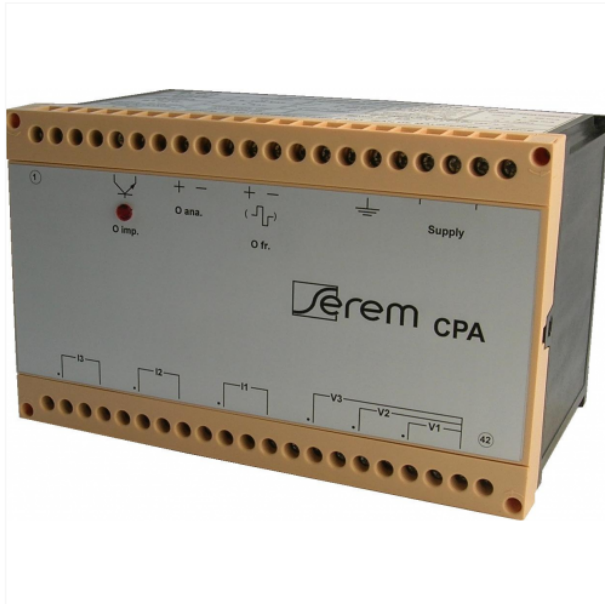
GUARANTEE 1 year

CERTIFICATION CE

CONTACT commercial@serem-electronics.com

CPA3

3 CHANNELS ACTIVE POWER CONVERTER



TEMPERATURE OF CALIBRATION

- 20 to 25°C

MAGNETIC FIELDS

- up to 150 Gauss in X, Y, Z dimensions

CASING

- Polycarbonate case for DIN profile with junctions by screw terminals