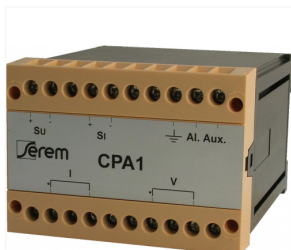
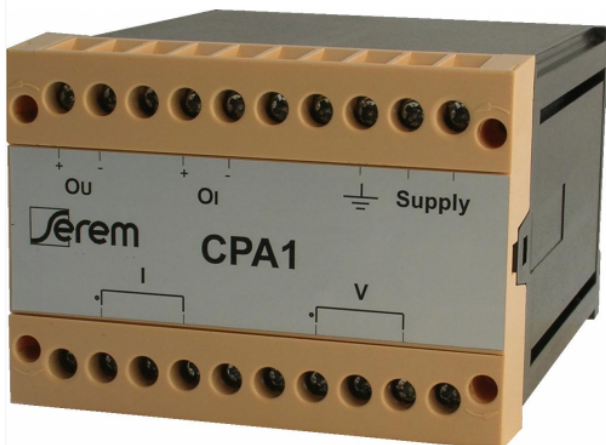


CPA1

1 CHANNEL ACTIVE POWER CONVERTER



DESCRIPTION

The CPA1 is designed for the measurement of active power with a high accuracy. This transducer provides many types of output.

Inputs :

Nominal Voltage V_n : 380VAC max.

- Admissible permanent overload : $1,3V_n$
- Admissible temporary overload : $1,6V_n$ during 1s max.
- Input impedance : 1 or 2M Ω according to V_n

Nominal Current I_n : 1 or 5AAC

- Admissible permanent overload : $2I_n$
- Admissible temporary overload : $10I_n$ for 1s max.
- Input impedance : 0,1 or 0,02 Ω according to I_n

FEATURES

INPUT 1 - voltage

- 0-100VAC
- 0-220VAC
- Specific : from 0-1VAC to 380VAC

INPUT 1 - current

- 0-1AAC
- 0-5AAC
- Specific : from 0-1mAAC to 5AAC or 0-10mVAC to 100VAC

OUTPUT 1 - voltage

- 0-5V
- Specific : from 0-0,1V to 10V
- No voltage output

OUTPUT 2 - current

- 0-20mA
- 4-20mA

POWER SUPPLY

- 230VAC (-15%, +10% / 45 to 65Hz / 6VA max.)
- 115VAC (-15%, +10% / 45 to 65Hz / 6VA max.)

GALVANIC ISOLATION

- > 1500 Vrms for : IN / OUT, and Ix / Iy
- > 3500 Vrms for : IN & OUT / AUX. SUPPLY

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

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

PRICE On quote only

WEB LINK [Click here](#)

SECTOR ENERGY | ALL INDUSTRIES

USAGE ALUMINIUM ELECTRICAL TEAM

WEIGHT 550 g

LENGTH 121 mm

WIDTH 100 mm²

HEIGHT 73 mm³ (μl)

CUSTOMS CODE 90 30 39 00 91

C. OF ORIGIN France

GUARANTEE 1 year

CERTIFICATION CE

CONTACT commercial@serem-electronics.com