

## SFSA

## FREQUENCY ADDER TO ANALOG OUTPUT



### DESCRIPTION

In many industrial processes, it is necessary to add up frequencies.

The frequency adder SFSA makes it possible with an excellent precision level, a low temperature drift and a high galvanic isolation.

### FEATURES

#### CONFIGURATION

- Input : square signal
- duty cycle : 50% at Full Scale, frequency overload : 1.1 x FS

#### INPUT 1 - frequency

- Specific : from 0-100Hz to 50kHz / 0-8V to 0-48V or +-8V to +-48V
- 0 - 10KHz / 0-8V to 0-48V or +-8V to +-48V

#### OUTPUT 1 - configuration

- Output : analogic signal
- function :  $O(vf) = K1 \times I1 + k2 \times I2$  (K1 and K2 to adjust on Purchase Order)
- response time : < 100ms

#### OUTPUT 1 - voltage

- +-5V
- 0-10V

#### POWER SUPPLY

- 230VAC (-5%, +10% / 45 to 65Hz / 3VA max.)
- 115VAC (-5%, +10% / 45 to 65Hz / 3VA max.)

#### GALVANIC ISOLATION

- > 3 000 Vrms for: IN & OUT / Supply, IN / OUT

#### ACCURACY

- > 0.1% L from 20 to 100% Full scale

#### TEMPERATURE RANGE

- -25 to 70°C

#### TEMPERATURE DRIFT

- < 25ppm/°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** ALL INDUSTRIES

**USAGE** MEASUREMENT

**WEIGHT** 300 g

**LENGTH** 121 mm

**WIDTH** 45 mm

**HEIGHT** 73 mm

**CUSTOMS CODE** 90 30 39 00 91

**C. OF ORIGIN** France

**GUARANTEE** 1 year

**CERTIFICATION** CE

**COMMERCIAL** [commercial@serem-electronics.com](mailto:commercial@serem-electronics.com)