

SF

FREQUENCY ADDER



DESCRIPTION

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

The frequency adder SF 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

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

OUTPUT 1 - configuration

- Output : square signal
- function : $O(f) = K1 \times I1 + k2 \times I2$ (K1 and K2 to adjust on Purchase Order)
- cyclic ratio : 50%
- response time : < 100ms

OUTPUT 1 - frequency

- 0-10KHz / Open Collector NPN (10mA/60V max.)
- Specific : from 0-100Hz to 50kHz / Open Collector NPN (10mA/60V max.)

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, I1 / I2, IN / OUT
- > 1 500 Vrms for: Supply / GND

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

WEIGHT 300 g

LENGTH 45 mm

WIDTH 121 mm

HEIGHT 73 mm

CUSTOMS CODE 90 30 39 00 91

C. OF ORIGIN France

GUARANTEE 1 year

CERTIFICATION CE

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