CAIROX

Frequency converters 1X230v / 3X230v type FIS(-C)-13-B

Frequency converter with 1x230V input / 3x230V output

Application

- The **FIS(-C)-13** brings solutions to meet any demand for frequency conversion in a power range between 0.37 kW and 2.2 kW

Composition

- Single-phase input / three-phase output (1x230V / 3x230V)
- Frequency input: 48 - 62 Hz
- Frequency output: 0 - 500 Hz
- Protection class:
  - IP20 type **FIS**
  - IP66 type **FIS-C**, equipped with potentiometer and 3-position switch
- Maximum ambient temperature: 0...50°C; storage max. -40...+60°C
- Equipped with control panel and terminal strip for external control
- Serial communication Modbus RTU
- EMC filter

Text for tender

- The frequency inverter will have: single phase input/ three phase output (1x230V / 3x230V), small mechanical IP20 or IP66 housing, heavy industrial operation at ambient temperatures up to 50°C, no external fans to replace, simple mechanical and electrical installation, simple operation, powerful features and easy to use, fast setup, factory default settings for most applications, only fourteen basic parameters, variable or constant torque, unique programmable boost feature for intelligent starting, motor current and rpm indication, 150 % overload for 60 sec (175 % for 2 sec), keypad control, integral RFI filter option, modbus RTU serial communications, PI control for feedback.
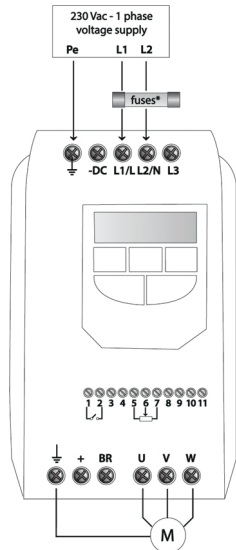- **CAIROX** type **FIS(-C)-13**

Order example

FIS-1320E-0.37-B

Explication

FIS-13 - frequency inverter type

20 - IP protection class
E - EMC filter
0.37 - motor power
B = basic version

Wiring diagram

Notes
INPUTS
- PE: earth connections
- L1/L: single phase power supply 230 Vac– 50/60 Hz - line
- L2/N: single phase power supply 230 Vac– 50/60 Hz - neutral
- L3: not used
- fuses *fuses dependent from drive rating
OUTPUTS
- U: three phase motor connection 230V
- V: three phase motor connection 230V
- W: three phase motor connection 230V
CONTROL TERMINALS 1-11 (based on default setting)
- 1. Connect a start/stop switch from terminal 1 to 2; close the contact - START (enable) the drive; open the contact - STOP the drive
- 2. Connect a 10 kOhm potentiometer on terminals 5, 6 and 7 to vary the speed from 35 to 50 Hz (60 Hz for HP drives)