



Frequency converters 3x400V type FIS(-C)-44-B

Frequency converter 3x400V

Application

- The **FIS(-C)-44** brings solutions to meet any demand for frequency conversion in a power range between 0.75 kW and 11 kW

Composition

- Three-phase input / three-phase output (3x400V / 3x400V)
- 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: three phase input/ three phase output (3x400V / 3x400V), 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, 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)-44**

Order example

FIS-4420E-0.75-B

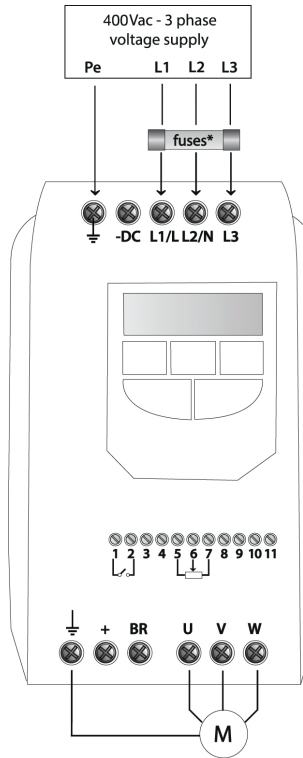
Explication

FIS-44 = frequency inverter type

20 = IP protection class

E = EMC filter

0.75 = motor power
B = basic version



Notes

INPUTS

- PE: earth connections
- L1/L: three phase power supply 400 Vac- 50/60 Hz
- L2/N: three phase power supply 400 Vac- 50/60 Hz
- L3: three phase power supply 400 Vac - 50/60 Hz
- fuses *fuses depending on nominal power

OUTPUTS

- U: three phase motor connection 400V
- V: three phase motor connection 400V
- W: three phase motor connection 400V

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)