

## Frequency Converters FU6 (for 3-phase current Drives)

To 0.75 kW



From 1.5 kW



Main features of the Series FU6 are easy parametrisation, a clearly arranged control panel and an extremely easy operation.

Ordering details: e.g.: 460 310 25 Frequency Converters FU6, 0.25 kW Output Power, 1 Phase

Prod. No.	Number of Phases	Output Power kW	Output Voltage V	Output Current A	Input Voltage V	Input Current A	Input Fuse Protection A	Dimensions H x B x T mm	Weight kg
460 310 25	1	0,25	3 x 0-240	1,4	1 x 230	3,0	16	132 x 72 x 118	0,8
460 310 37	1	0,37	3 x 0-240	2,3	1 x 230	5,2	16	132 x 72 x 118	0,8
460 310 75	1	0,75	3 x 0-240	4,2	1 x 230	9,4	16	132 x 72 x 118	0,8
460 311 50	1	1,50	3 x 0-240	7,5	1 x 230	16,6	20	143 x 118 x 172	1,7
460 312 20	1	2,20	3 x 0-240	10,5	1 x 230	23,2	25	143 x 118 x 172	1,8
460 331 50	3	1,50	3 x 0-400	3,8	3 x 400	5,0	10	143 x 118 x 172	1,6
460 332 20	3	2,20	3 x 0-400	5,2	3 x 400	6,7	10	143 x 118 x 172	1,6

### Output

- Rotating-field frequency 0-200 Hz.
- Voltage boost 10%.
- Overload 150%  $I_n$  / 60s.

### Input

- Voltage 1 x 230 V +/-10% 50/60 Hz.  
or 3 x 400 V +/-10% 50/60 Hz.

### Control unit

- Cycle rate: 4-16 kHz, adjustable in steps.
- Stop functions: Ramp (0.1-999s), DC braking, coast, brake with chopper from 1.5kW.
- Protection systems: Surge current (200%  $I_n$ ), overload, IGBT excessive temperature, overvoltage, undervoltage.
- Analog input: 0-10 V, 0-20 mA or 10kOhm potentiometer.
- Analog output: 0-10 V (with current output frequency).
- Digital input: Dry contacts or external 24 V DC industrial logic for start up, reversion of rotation 2 programmable inputs (inching mode, fixed setpoint, emergency stop, reset, external control).
- Digital output: Dry contact, programmable.
- Monitoring: Short circuit phase-phase or phase-earth.

### Displays / Operating elements

- Control keys: Setting of system functions.
- Display: Operating mode and error message.

### Environment

- Ambient temperature: -10...+40°C.
- Cooling: Fan.
- Rel. humidity: 0...95% not condensing.

### Mechanic

- Protection class IP20.

### EMC

- Filter class A included, optional upgrading to class B.

### Diagnostic memory

- Retrieval of the last 3 operational faults.

### Optional

- DIN rail mount adapter, brake resistor, setpoint potentiometer 10 kOhm, EMC filter class B.