

Frequency Inverters FUS 010 ... 220/C1, FUS 037 ... 400/3C1 0,1kW up to 4kW 4-15

Features:

- ▣ very compact design
- ▣ all-digital control
- ▣ easy programming
- ▣ max. rotating field frequency 400Hz
- ▣ DC brake
- ▣ 7 fixed frequencies adjustable
- ▣ integrated PID controller
- ▣ integrated braking chopper (from 0.37kW)
- ▣ RS 485 (optional)
- ▣ flux-vector-control
- ▣ integrated mains filter
- ▣ degree of protection IP20



Frequency Inverters
FUS 010 ... 220/C1
FUS 037 ... 400/3C1
 CE cUL UL

Function:

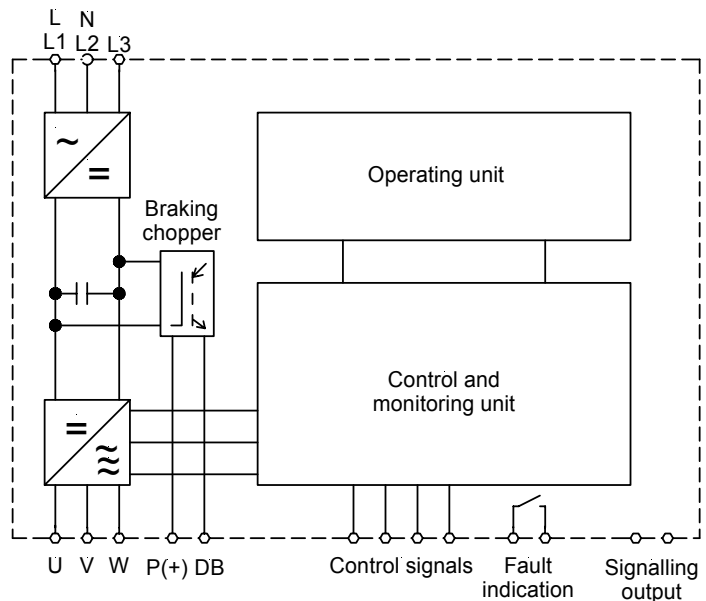
- ▣ control and setpoint entry via terminals and operating unit
- ▣ PWM clock frequency 0.75-15kHz
- ▣ DC braking (duration, intensity, operating frequency)
- ▣ potential-free control and signalling contacts
- ▣ automatic restart after voltage dip

Typical Applications:

- | | |
|--------------------|-----------------------|
| pumps | centrifuges |
| ventilators | grinding machines |
| conveying systems | printing machines |
| textile machinery | wood working machines |
| packaging machines | vibrators |

Upon Request:

- ▣ Customized Enclosures

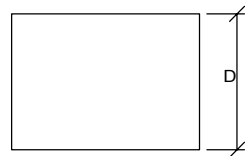
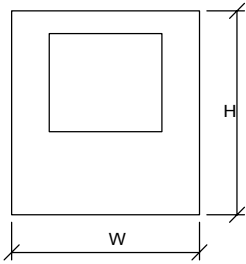


Technical Data	FUS ... /C1						FUS ... /3C1				
	010	020	037	075	150	220	037	075	150	220	400
Motor shaft power in kW	0.1	0.2	0.37	0.75	1.5	2.2	0.37	0.75	1.5	2.2	4
Mains voltage	single-phase 200-240V ±10% 50/60Hz						three-phase 380V -15% ... 460V +10% 50/60Hz				
Output current / in A	0.7	1.4	2.5	4.2	7.0	10	1.5	2.5	3.7	5.5	9
Peak current for 1min. / in A	1.1	2.1	3.7	6	10.5	15	2.25	3.7	5.5	8.2	13.5
Control Functions											
Frequency setting range	1 - 400Hz										
Torque boost	variable or manual adjustment										
Acceleration and deceleration time	0.1 - 3600s										
DC brake	operating frequency 0Hz, braking time 0-30s, intensity 0 – 100% I _N										
Frequency setpoint	internal pot, external pot 1-5kΩ, 0-10V, 4-20mA, keypad										
Ambient / Storage temperature	-10°C ... +50°C / -25°C ... +70°C										
Weight in kg	0.6	0.6	0.6	0.8	1.7	2.3	1.1	1.2	1.7	1.7	2.3
Order number	28310. 23010	28310. 23020	28310. 23037	28310. 23075	28310. 23150	28310. 23220	28320. 40037	28320. 40075	28320. 40150	28320. 40220	28320. 40400

For line and motor reactors see accessories.

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Dimensions:



	W [mm]	H [mm]	D [mm]
FUS 010/C1	80	120	100
FUS 020/C1	80	120	100
FUS 037/C1	80	120	115
FUS 075/C1	110	130	139
FUS 150/C1	140	180	182
FUS 220/C1	140	180	182
FUS 037/3C1	110	130	158
FUS 075/3C1	110	130	182
FUS 150/3C1	140	180	182
FUS 220/3C1	140	180	182
FUS 400/3C1	140	180	182

Connection Diagram:

