




Frequency Inverters FUS 037 ... 220/CV, FUS 075 ... 1100/3CV 0.37kW up to 11kW 4.07

Features:

- ▣ compact design
- ▣ easy commissioning and programming
- ▣ flat built-under mains filters available
- ▣ IGBT power stage
- ▣ detachable operating unit
- ▣ rotating field frequency up to 650Hz
- ▣ integrated PID controller
- ▣ integrated PLC
- ▣ optionally with RS 232/485 interface
- ▣ integrated braking chopper
- ▣ integrated mains filter (class A)
- ▣ integrated setpoint potentiometer
- ▣ 6 multi-functional inputs
- ▣ 2 multi-functional outputs
- ▣ for mounting onto DIN rail (up to 4kW)
- ▣ degree of protection: IP20



Frequency Inverters
FUS 040 ... 220/CV
FUS 075 ... 1100/3CV
  

Function:

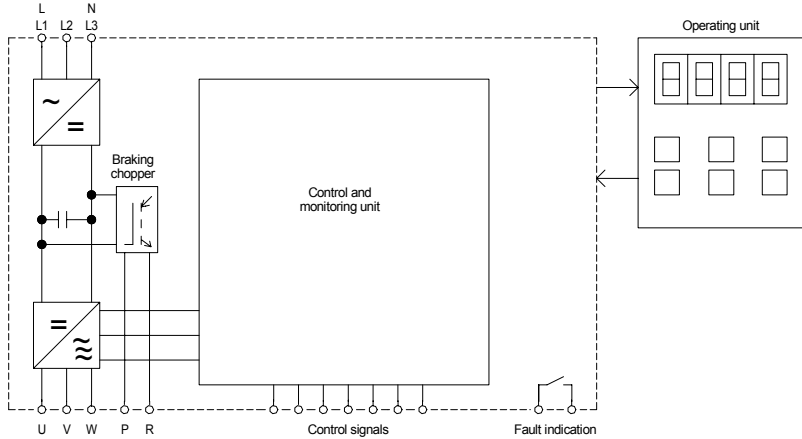
- ▣ control and setpoint entry via terminals and operating unit
- ▣ PWM clock frequency 2-16kHz
- ▣ DC braking (duration, intensity, operating frequency)
- ▣ potential-free control and signaling contacts
- ▣ automatic restart after voltage dip

Typical Applications:

- | | |
|---|---|
| <ul style="list-style-type: none"> Pumps ventilators conveying systems textile machines packaging machines | <ul style="list-style-type: none"> centrifuges grinding machines printing machines wood working machines vibrators |
|---|---|

Upon Request:

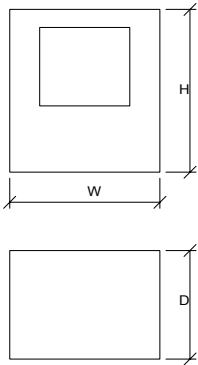
- ▣ Customized Enclosures



Technische Daten	FUS .../CV				FUS .../3CV							
	037	075	150	220	075	150	220	400	550	750	1100	
Motor shaft power in kW	0.37	0.75	1.5	2.2	0.75	1.5	2.2	4	5.5	7.5	11	
Mains voltage according to DIN EN 50160 (IEC 38)	Single-phase 200-240V (+10%,-15%), 50/60Hz ±5%				Three-phase 380-480V (+10%,-15%) 50/60Hz ±5%							
Output current	3.1A	4.5A	7.5A	10.5A	2.3A	3.8A	5.2A	8.8A	13A	17.5A	25A	
Control Functions												
Frequency setting range	0.1 - 650Hz											
Control mode	U/f – characteristic; vector control											
Ramp-up and ramp-down time	0.1 - 3600s											
DC brake	Operating frequency 0.1-10Hz, braking time 0-25.5s, intensity 0-20% UN											
Frequency setpoint	poti 10kΩ, internal poti, 0-10V, 0-20mA, keypad, fixed frequencies											
Ambient / Storage temperature	-10°C ... +40°C / -20°C ... +60°C											
Weight	1.3kg	1.3kg	1.8kg	2.3kg	1.3kg	1.3kg	2.2kg	2.2kg	6.6kg	6.6kg	6.6kg	
Order number	2F000. 23037	2F000. 23075	2F000. 23150	2F000. 23220	2F100. 40075	2F100. 40150	2F100. 40220	2F100. 40004	2F100. 40005	2F100. 40007	2F100. 40011	
Recommended mains filters	27007.26011		27007.26027		27110.53005		27110.53010		27110.53028			

For line and motor reactors see accessories.

Dimensions:



	W [mm]	H [mm]	D [mm]
FUS 037/CV	90	163	147
FUS 075/CV	90	163	147
FUS 150/CV	128	187.1	148
FUS 220/CV	128	187.1	148
FUS 075/3CV	90	163	147
FUS 150/3CV	90	163	147
FUS 220/3CV	128	187.1	148
FUS 400/3CV	128	187.1	148
FUS 550/3CV	186	260	195
FUS 750/3CV	186	260	195
FUS 1100/3CV	186	260	195

Connection Diagram:

