

FUS L5/3L5 [0,2 – 2,2kW] 4.21

**Features:**

- ▣ space saving design
- ▣ RS485 Modbus interface as standard
- ▣ voltage vector control
- ▣ fixed frequencies adjustable
- ▣ max. rotating field frequency 650Hz
- ▣ digital keypad with speed potentiometer
- ▣ integrated braking chopper at FUS .../3L5
- ▣ degree of protection IP20
- ▣ integrated mains filter



AC drive  
**FUS L5 [0,2 – 2,2kW]**  
**FUS 3L5 [0,75 – 2,2kW]**  
 CE cUL US LISTED

**Function:**

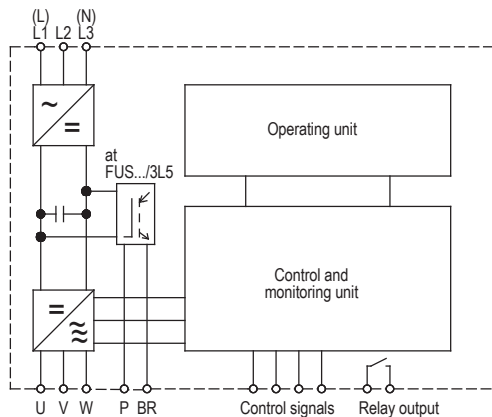
- ▣ control and setpoint entry via terminals, operating unit or bus systems
- ▣ PWM clock frequency 1 - 16kHz
- ▣ integrated motor overload protection
- ▣ potentialfree control and signalling contacts
- ▣ fault memory
- ▣ internal PI controller

**Typical Application:**

electric pumps, heat pumps, vacuum pumps,  
 ventilators and fans, travelling cranes, extraction systems  
 compressors, stirrers, centrifuges, saws, conveyors  
 woodworking machines, grinding machines  
 textile machines, packaging machines  
 printing machines, other

**Options: (please see accessories)**

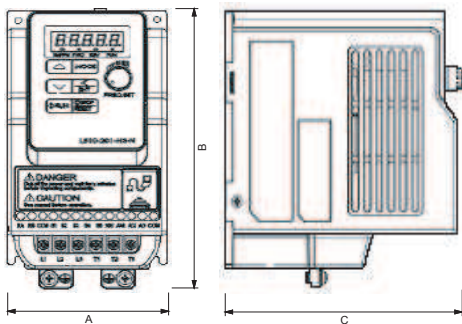
- ▣ remote control/ copying module
- ▣ keypad extension cable
- ▣ Profibus DP module
- ▣ TCP-IP module
- ▣ DeviceNet module
- ▣ CANopen module
- ▣ RJ45 to USB cable
- ▣ operating software
- ▣ mounting plate for DIN rail



Typical designation	FUS ... /L5					FUS .../3L5		
	020	037	075	150	220	075	150	220
motor shaft power / kW	0,2	0,37	0,75	1,5	2,2	0,75	1,5	2,2
mains voltage according to DIN EN 50160 (IEC 38)	single-phase 200-240V ,+10%, -15% 50/60Hz ±5%					three-phase 380-460V,+10%,-15% 50/60Hz ±5%		
output current / A	1,8A	2,6A	4,3A	7,5A	10,5A	2,3A	3,8A	5,2A
order number: 2T000. ...	23020	23037	23075	23150	23220	40075	40150	40220
recommended mains filter (class C1)	27012.24016			27012.24030		27114.48006		27114.48016

Technical data	FUS ... /L5					FUS .../3L5		
	020	037	075	150	220	075	150	220
motor shaft power / kW	0,2	0,37	0,75	1,5	2,2	0,75	1,5	2,2
mains voltage according to DIN EN 50160 (IEC 38)	single-phase 200-240V ,+10%, -15% 50/60Hz ±5%					three-phase 380-460V,+10%,-15% 50/60Hz ±5%		
output current / A	1,8A	2,6A	4,3A	7,5A	10,5A	2,3A	3,8A	5,2A
control functions								
frequency setting range	0 – 599Hz							
torque boost	6 fixed U/f-characteristic, free configurable U/f-characteristic							
ramp-up and ramp-down time	0 ... 3600s							
frequency setpoint	potentiometer >= 1kΩ, 0-10V, 0/4-20mA, keypad, keypad potentiometer, fixed frequencies, motor potentiometer, Modbus							
ambient / storage temperature	-10 ... 40°C (-10 ... 50°C für BG 2), -20 ... 60°C							
design size	1				2		2	
weight / kg	0,7	0,9		1,6		1,7		

Dimensions:



size	A	B	C
1	72	141	141
2	118	144	150

All dimensions indicated in mm

Connection Diagram:

