

AC drive FUS ... /L5/3L5 up to 2,2kW 4-17

**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 020 ... 220/L5  
FUS 075 ... 220/3L5  
CE 

**Function:**

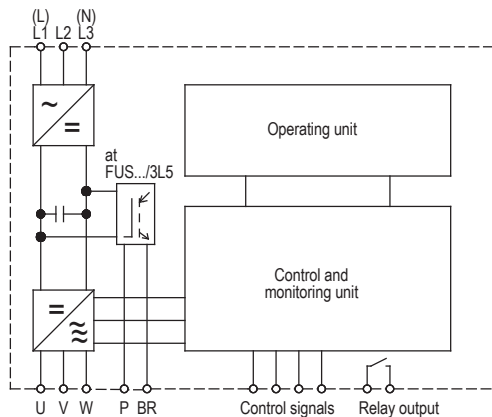
- control and setpoint entry via terminals, operating unit or bus systems
- PWM clock frequency 1 - 16kHz
- integrated motor overload protection
- potentialfree control and signalling contacts
- fault memory
- internal PI controller

**Typical Application:**

- pumps
- grinding machines
- ventilators
- textile machines
- woodworking machines
- conveying systems
- printing machinery
- packaging machines

**Options: (please see accessories)**

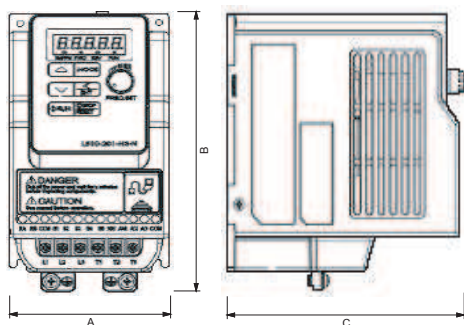
- remote control/ copying module
- keypad extension cable
- Profibus DP module
- TCP-IP module
- DeviceNet module
- CANopen module
- RJ45 to USB cable
- operating software
- mounting plate for DIN rail



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		
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control functions								
frequency setting range	0 – 650Hz							
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		

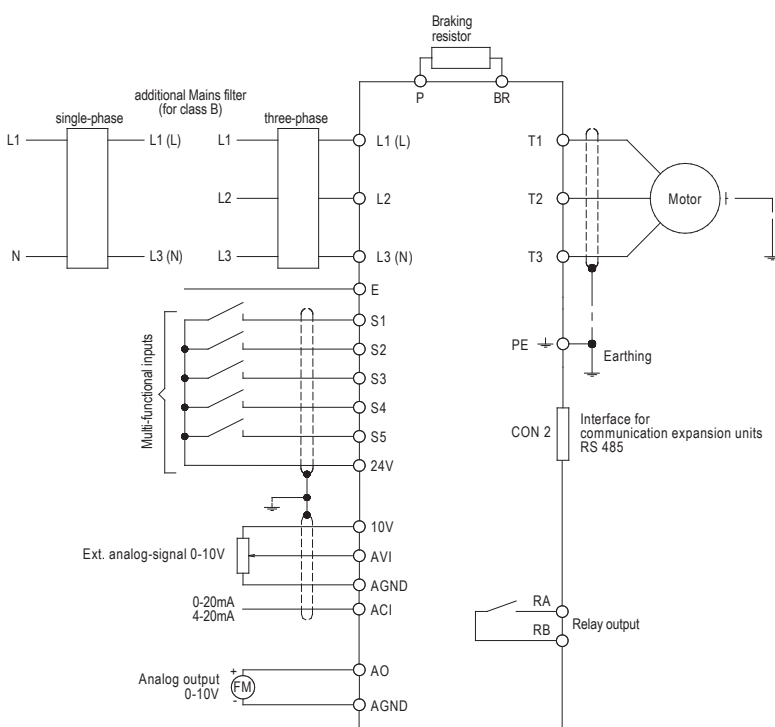
## Dimensions:



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

All dimensions indicated in mm

## Connection Diagram:



**Options**

Extension modules:

	order number	L5	E5
Profibus DP Gateway	29000.2T001	x	x
TCP-IP Gateway	29000.2T002	x	x
DeviceNet Gateway	29000.2T003	x	x
CANopen Gateway	29000.2T004	x	x

PC communication:

	order number	L5	E5
RJ45 to USB cable	29000.2T005	x	x

General accessories:

	order number	L5	E5
remote control / copying module	29000.2T006	x	x
keypad extension cable 1m	29000.2T007	x	x
keypad extension cable 2m	29000.2T008	x	x
keypad extension cable 3m	29000.2T009	x	x
keypad extension cable 5m	29000.2T010	x	x
mounting plate for DIN rail installation	29000.2T011	x	x

