

AC drive FUS ... /L5/3L5 up to 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 020 ... 220/L5
FUS 075 ... 220/3L5
CE 

Function:

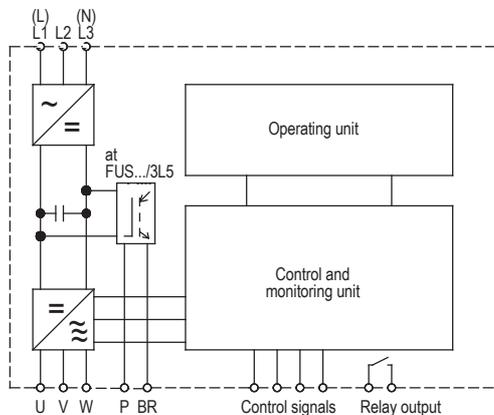
- control and setpoint entry via terminals, operating unit or bus systems
- PWM clock frequency 1 - 16kHz
- integrated motor overload protection
- potentialfree control and signalling contacts
- fault memory
- internal PI controller

Typical Application:

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

Options: (please see accessories)

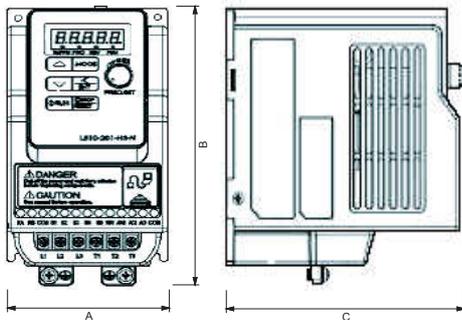
- remote control/ copying module
- keypad extension cable
- Profibus DP module
- TCP-IP module
- DeviceNet module
- CANopen module
- RJ45 to USB cable
- operating software
- mounting plate for DIN rail



| 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 – 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:

