

AC drive FUS ... /E5/3E5/IP66 up to 18,5kW 4.25

**Features:**

- U/f-characteristics control
- open loop vector control (150% start torque at 1Hz)
- safety stopp and fire mode
- digital keypad with speed potentiometer
- built-in mains switch
- max. rotating field frequency 650Hz
- integrated braking chopper
- degree of protection IP66
- integrated mains filter
- integrated Modbus RTU
- controllable ventilator



AC drive  
**FUS 037 ... 220/E5/IP66**  
**FUS 075 ... 1850/3E5/IP66**  
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**Function:**

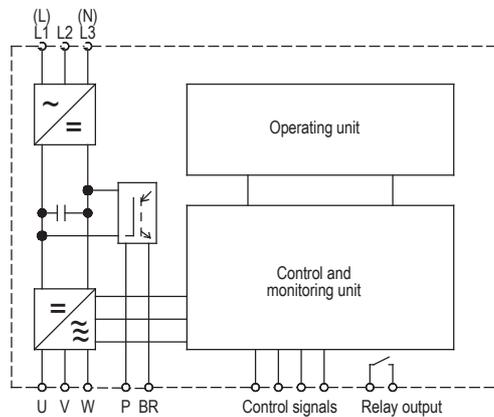
- control and setpoint entry via terminals, operating unit and bus systems
- PWM clock frequency 1 - 16kHz
- built-in SPS function
- potentialfree control and signalling contacts
- 150% overload for 60s
- integrated PI-controller

**Typical Application:**

All applications where the machine is exposed to harsh environment and extreme conditions. The IP 66 housing provides full protection against:  
 dust  
 electrical shock  
 strong jets of water

**Options: (please see accessories)**

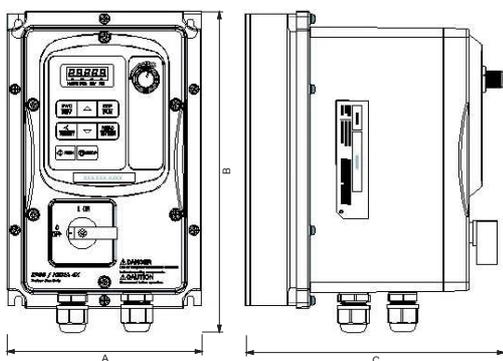
- remote control / copying module
- keypad extension cable
- Profibus DP module
- TCP-IP module
- DeviceNet module
- CANopen module
- RJ45 to USB cable
- operating software



Typical designation	FUS ... /E5/IP66				FUS ... /3E5/IP66								
	037	075	150	220	075	150	220	400	550	750	1100	1500	1850
motor shaft power / kW	0,37	0,75	1,5	2,2	0,75	1,5	2,2	4	5,5	7,5	11	15	18,5
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	3,1	4,5	7,5	10,5	2,3	3,8	5,2	8,8	13	17,5	24	32	40
order number: 2T101. ...	23037	23075	23150	23220	40075	40150	40220	40004	40005	40007	40011	40015	40018

Technical data	FUS ... /E5/IP66				FUS ... /3E5/IP66								
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control functions	0 – 599Hz												
frequency setting range	18 adjustable U/f-characteristics; open loop vector control												
torque boost	0 ... 3600s												
ramp-up and ramp-down time	potentiometer >= 1kΩ, 0-10V, 0/4-20mA, keypad, keypad potentiometer, fixed frequencies, motor potentiometer, Modbus RTU												
frequency setpoint	-10 ... 50°C, -40 ... 60°C												
ambient / storage temperature	-10 ... 50°C, -40 ... 60°C												
design size	1		2		1		2		3				
weight / kg	2,9		6		2,9		6		12,7				

Dimensions:



size	A	B	C
1	151	249	200
2	198	335	235
3	223	466	267

Alle dimensions indicated in mm

Connection Diagram:

