

AC drive VersiDrive i Pro/3Pro [0,75 – 11kW] 4.09

Features:

- U/f-characteristics control
- open loop vector control (200% start torque)
- closed loop encoder control (plug-in)
- open und closed loop control for synchronous motors
- PTC-input
- max. rotating field frequency 500Hz
- safety stop according to IEC 61508 SIL2
- integrated braking chopper
- degree of protection IP20
- integrated mains filter
- integrated Modbus RTU and CANbus



AC drive
VD i Pro [0,75 – 2,2kW]
VD i 3Pro [0,75 – 11kW]



Function:

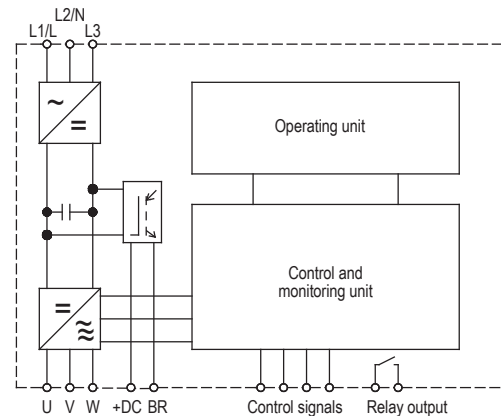
- control and setpoint entry via terminals, operating units and bus systems
- PWM clock frequency 4 - 32kHz
- sensorless speed and torque control
- potential-free control and signalling contacts
- 150% overload for 60s
- integrated PI controller
- detailed trouble check via parameter Po-13
- easy PLC functionality

Typical Application:

electric pumps, heat pumps, vacuum pumps
ventilators and fans, cranes, travelling cranes
extraction systems, compressors, stirrers, centrifuges
saws, conveyors, elevators and hoists, woodworking machines
grinding machines, textile machines, packaging machines
printing machines, drives with high inertia
others

Options: (please see accessories)

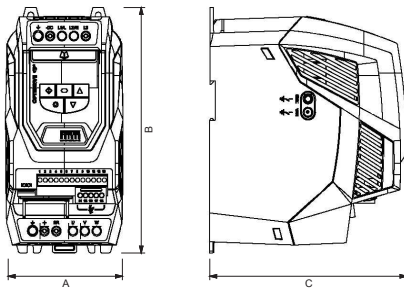
- remote control module
- additional input and output module
- RJ45-cable and cable splitter
- encoder extension module
- communication- and bus-plug-ins
- bluetooth-memory stick
- braking resistors
- software for parameterization and operating
- license key for PLC



Typical designation	VD i ... /Pro			VD i ... /3Pro						
	075	150	220	075	150	220	400	550	750	1100
motor shaft power / kW	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% 48-62Hz			three-phase 380-480V ± 10% 48-62Hz						
output current / A	4,3	7	10,5	2,2	4,1	5,8	9,5	14	18	24
order number: 2100. ...	23075	23150	23220	40075	40150	40220	40004	40005	40007	40011
recommended mains filter order number	27012. 24016	27012.24030		27114.48006		27114.48016		27114.48030		

Technical data	VD i ... /Pro			VD i ... /3Pro						
	0,75	1,5	2,2	0,75	1,5	2,2	4,0	5,5	7,5	11,0
motor shaft power / kW	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 \pm 10% 48-62Hz			three-phase 380-480V \pm 10% 48-62Hz						
output current / A	4,3	7	10,5	2,2	4,1	5,8	9,5	14	18	24
peak current for 1min / A	6,5	10,5	15,7	3,3	6,2	8,7	14,3	21	27	36
control functions										
frequency setting range	0 – 500Hz									
torque boost	boost (U/f) adjustable via parameter setting; open loop vector control									
ramp-up and ramp-down time	0 ... 3000s									
frequency setpoint	potentiometer \geq 1k Ω , 0-10V, 4-20mA, keypad, fixed frequencies, motor potentiometer, Modbus RTU, CANbus									
ambient / storage temperature	-10 ... 50°C, -40 ... 60°C									
design size	2			2				3		
weight / kg	1,8			1,8				3,5		

Dimensions:



size	A	B	C
2	112	221	185
3	131	261	205

All dimensions indicated in mm

Connection Diagram:

