

F21025305 VariMax25 NG

Control unit for stepper motor



- Internal rotation monitor
- Integrated Modbus
- User friendly
- Stable aluminium enclosure
- Compact build dimensions
- Input signal 0-10 V
- Remaining alarms
- CE-approved
- Five-year product warranty

Set of EMC-glands are included in VariMax25 NG

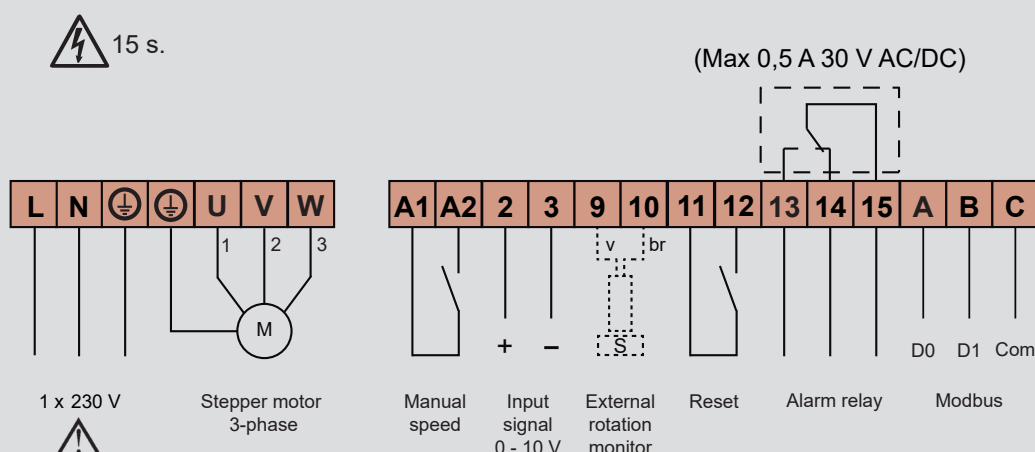
VariMax25 NG is our latest control unit and combines small dimensions with large capacity and is very easily mounted and run.

VariMax25 NG is intended for thermal rotor diameters up to 1500 mm with a rotor speed of max. 12 rpm. If the rotor requires a faster rotor speed, the rotor diameter should be reduced.

VariMax25 NG is an alternative to our control units MiniMax and MicroMax.

The control unit should be combined with our VariMax-motor25 NG.

CONNECTION DIAGRAM



Description of functions

Together with the VariMax-motor25 NG, VariMax25 NG constitutes a modern combination of specific additional functions for an optimal run of a rotary heat exchanger. The VariMax-motor25 NG is a stepper motor with a large torque within the complete speed area. This means that the speed of a thermal rotor is between 0,1-12 rpm.

- Input signal 0-10 V** The speed of the rotor is regulated by the control unit so that the efficiency of the heat exchanger is in proportion to the input signal from the central control.
- Cleaning function** When the rotor has stopped for 10 minutes, the cleaning function is activated and the rotor starts to rotate. As a warning, the rotor first rotates for 6 seconds at a motor speed of 5 rpm, the rotor is then stationary for 3 seconds. After this, the actual cleaning starts, for a random time, between 10 to 20 seconds with the motor at 20 rpm.
- Rotation monitor** The internal rotation monitor is normally used, but an external rotation monitor can also be connected. For detailed information see the manual.
- Other alarms** The control unit trips and alarms at over- or under voltage, overtemperature in the control unit, overtemperature in the motor, short circuit or earth faulty. All alarms are remaining.
- Manual speed** Possibility of controlling the speed via separate potentiometer, whatever the value of the input signal.
- Test** DIP-switches for manual run at low- or high speed.
- Modbus** The VariMax25 NG has internal Modbus functions. For more information, see the manual on our website, www.ibcccontrol.se

Technical data

		VariMax25 NG		
Connection voltage	1x230-240 V +/-15%	Output frequency	0-291 Hz	
	50/60 Hz	Acceleration- and retardation time	30 sec	
Power input max.	97 W	Ambient temperature	-40 - +45 °C	
Input current	0,8 A	not condensing		
External fuse max.	10 A	Protection form	IP 44	
Output voltage*)	3x0-260 V	Weight	0,6 kg	
Output current, max	0,7 A	Dimensions, HxWxD	132x195x56 mm	

*) Exact value can not be achieved with a digital measuring instrument