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MINIMOTOR - DIGITAL DRIVE

MINIACTION 300
230V motor drive

- Digital drive
- For motors up to 2.3Nm
- Multi function closed loop control
- For AC brushless motors



PRODUCT DESCRIPTION

The Miniaction range has been designed to control three-phase asynchronous electric motors and brushless AC motors (BLAC) with a power of up to 0.75kW.

The heart of the power section is an intelligent IGBT module (IPM) equipped with protective systems which ensure that the device is reliable and highly efficient, while (among other things) limiting the need for external components.

The control logic consists of 32-bit micro-controllers with a set of instructions that is optimised for speed and is thus ideal for controlling precision motors.

Versions available with multiple I/O, digital gearing and logic control for a higher level of motor control.

The 200 and 300 models shown here are for driving brushless motors
For 3 phase motor control, please see the 400 and 500 models in the AC drives section

Please click here for 2D and 3D drawings.

TECHNICAL DATA

0 to 10V analogue inputs	1
0 to 10V analogue outputs	1
24V 30mA digital outputs	5
24V 500mA brake outputs	1
24V digital inputs	17
24V digital outputs	5
4 to 20mA analouge inputs	1
Ambient temperature	0 to 55°C, max 85% rh
Auxiliary power output	Yes
Auxiliary power voltage	24 Vdc

Dynamic braking	Yes
Encoder A/B + UVW line driver	Yes
Encoder line driver A/B	No
Fieldbus	Modbus RTU, RS-485
Homing control	Yes
Input voltage ac	230Vac 1ph
Input voltage dc	24Vdc
IP class	IP20
Material of case	Polycarbonate
Maximum current	14 A rms
Optional display with removable keypad	Yes
Position control	Yes
Rated current	4.2 A
Resolver	Yes
Speed/torque control	Yes



