

## 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

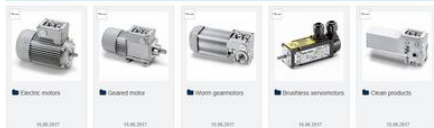
[Please click here for 2D and 3D drawings.](#)

### 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 analogue inputs	1
Ambient temperature	0 to 55°C, max 85% rh
Auxiliary power output	Yes
Auxiliary power voltage	24 Vdc

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

DCU model selection



Please see product description above for 2D and 3D drawings

DCU model selection



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