

TECHNOSOFT IPOS4803

Motion controller drive - 3A

P020.001.E122

iPOS4803P Microdrive (48V, 3A, pin-plug, EtherCAT)



- Power up to 150W, continuous/peak current 3A/14A
- Built-in motion controller
- For brushed DC, BLDC and stepper motors
- Communication via RS232 or EtherCAT
- Microsize form factor

PRODUCT DESCRIPTION

Programmable and flexible drive controller with integrated output stage, MotionChip controller, I/O signals, EtherCAT interface, STO safety function and comprehensive support for motor technologies and encoder interfaces. The module has been specially developed for onboard integration and is the ideal solution for a variety of applications with limited installation space.

Electrical characteristics:

- Motor power supply / logic power supply: 7-48Vdc / 6-48Vdc
- Output current: continuous 3A, peak current 14A

Motor types:

- Brushless DC motors (BLDC motors, PMSM)
- Brushed DC motors (DC motors)
- Stepper motors (2- or 3-phase)
- Voice coil actuators
- Linear motors

Feedback options:

First feedback:

- Incremental encoder
- SSI / BiSS-C
- Panasonic
- Tamagawa
- Nikon
- SanyoDenki
- EnDat 2.2

Second feedback:

- Incremental encoder
- SSI / BiSS-C
- Panasonic
- Tamagawa
- Nikon
- SanyoDenki
- EnDat 2.2

Hall Sensors

- Digital hall sensors
- Analogue (linear) hall sensors

TECHNICAL DATA

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|-----------------|---|
| Analogue Inputs | 1 |
|-----------------|---|

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|------------------------------------|---|
| Communication | RS232, EtherCAT |
| Compatible motor technology | PMSM motor, Voice coil actuator, Brushless DC motor, Stepper motor, Linear motor, DC |
| Control type | Electronic cam, Electronic gearing, Position, Speed, Torque |
| Digital inputs | 3 |
| Digital outputs | 3 |
| Nominal current | 3 A |
| Peak current | 14 A |
| Positioning feedback | Analogue hall sensors, Incremental, Digital hall sensors, EnDaT 2.2, Panasonic, SSI, TAMAGAWA |
| Power | 144 W |
| Supplier | Technosoft |
| Supply voltage | 12 V DC, 24 V DC, 36 V DC, 48 V DC |
| Weight | 8 g |