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TECHNOSOFT IPOS4803

Motion controller drive - 3A

P020.801.E222
iPOS4803S Microdrive (48V, 3A, socket 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 Senors
- Digital hall sensors
- Analogue (linear) hall sensors

TECHNICAL DATA

Analogue Inputs	1

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