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TECHNOSOFT IPOS4810

Motion controller drive - 10A

P022.815.E122
iPOS4810 XZ-CAT, 48V, 10A, EtherCAT, standalone



- Power up to 700W, continuous/peak current 10/40A
- Built-in motion controller
- Communication via RS232, EtherCAT, TMLCAN and CANopen
- For brushed DC, BLDC and stepper motors
- STO inputs

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 MZ 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: 11 - 50 VDC / 9 - 36 VDC
- Output current: continuous 10A, peak current 40A

Motor types:
- Brushless DC motors (BLDC motors, PMSM)
- Brushed DC motors (DC motors)
- Stepper motors (2- or 3-phase)
- Cylinders for vibrating coils
- Linear motors

First feedback option::
- Incremental encoder
- SinCos 1Vpp
- Digital Hall Sensors
- Analog Hall sensors

Second feedback option:
- Incremental encoder
- SSI / BiSS-C
- Panasonic
- Tamagawa
- EnDat 2.2

TECHNICAL DATA

Analogue Inputs	2
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	6
Digital outputs	5
Nominal current	10 A
Peak current	40 A
Positioning feedback	Panasonic, TAMAGAWA, SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Analogue hall sensors, Incremental, Digital hall sensors, Sensorless, Tachogenerator
Power	500 W
Supplier	Technosoft
Supply voltage	12 V DC, 24 V DC, 36 V DC, 48 V DC
Weight	83 g