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TECHNOSOFT IPOS4815

Motion Controller - 15A

P022.016.E122
iPOS4815 MZ-CAT, 48V, 15A, EtherCAT, plug-in



- Power up to 1000W, continuous/peak current 15/28A
- Built-in motion controller
- For brushed DC, BLDC and stepper motors
- Communication via RS232, EtherCAT, TMLCAN and CANopen
- 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.

Electrical characteristics:
- Motor power supply / logic power supply: 11 - 50 VDC / 9 - 36 VDC
- Output current: continuous 15A, peak current 28A

Motor types:
- Brushless DC motors (BLDC motors, PMSM)
- Brushed DC motors (DC motors)
- Stepper motors (2- or 3-phase)
- Voice coil actuators
- 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	6
Nominal current	15 A
Peak current	28 A
Positioning feedback	Panasonic, TAMAGAWA, SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Analogue hall sensors, Incremental, Digital hall sensors, Sensorless, Tachogenerator
Power	1000 W
Supplier	Technosoft
Supply voltage	12 V DC, 24 V DC, 36 V DC, 48 V DC
Weight	36 g