



# 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

<b>Analogue Inputs</b>	2
<b>Communication</b>	RS232, EtherCAT
<b>Compatible motor technology</b>	PMSM motor, Voice coil actuator, Brushless DC motor, Stepper motor, Linear motor, DC
<b>Control type</b>	Electronic cam, Electronic gearing, Position, Speed, Torque

<b>Digital inputs</b>	6
<b>Digital outputs</b>	6
<b>Nominal current</b>	15 A
<b>Peak current</b>	28 A
<b>Positioning feedback</b>	Panasonic, TAMAGAWA, SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Analogue hall sensors, Incremental, Digital hall sensors, Sensorless, Tachogenerator
<b>Power</b>	1000 W
<b>Supplier</b>	Technosoft
<b>Supply voltage</b>	12 V DC, 24 V DC, 36 V DC, 48 V DC
<b>Weight</b>	36 g