iPOS4808 MY — A Compact Drive Solution for Rotary or Linear Brushless, DC Brush and Step Motors

Technosoft has just added a new powerful member to its iPOS family of intelligent drives – the iPOS4808 MY.

Like all other Technosoft drives, iPOS4808 MY embeds advanced motor control functions, as well as motion control and PLC features, into a plug-in module.

The new drive (60 x 43.6 x 12.4 mm), equipped with CAN / CANopen and optionally EtherCAT interfaces, provides a flexible, cost-effective, compact solution adapted to the decentralized / coordinated control of any rotary or linear brushless, DC brush or step motor of powers up to 400 W, with a 50 V nominal voltage.

For high-end positioning applications, iPOS4808 MY supports dual-loop feedback configuration, as well as on-board interfaces for BiSS/SSI encoders. A faster MotionChip processor, together with larger program and data memory than its predecessors, allow the iPOS4808 MY to offer powerful control algorithms including multiple bi-quad filters for improved motion trajectory with resonance rejection. Autotuning setup routines are under development for rapid commissioning of any motor from the various technologies supported.

The drive setup, tuning and motion programming are simple with EasyMotion Studio and the Technosoft Motion Language (TML). Thanks to its embedded intelligence, iPOS4808 MY is programmable at user’s level. In systems that request a host, the iPOS drives operates as an intelligent slave executing motion sequences triggered by input lines or commands received via RS-232, CAN-bus or EtherCAT communication.

Advanced positioning profiles like the PVT or electronic camming, I/O and program flow control, data transfer between axes, subroutines, ISRs and multiple homing modes facilitate the motion application implementation task.

Located in Neuchâtel, Switzerland, Technosoft is a leading DSP Motion Control Technology company specialized in the design and manufacture of motion control and intelligent motor products. For markets and customers with special requirements, the company can provide a custom motion system to meet their needs.

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