**Micro4803 drives family – small and powerful is beautiful**

Micro4803 Micro Drives with EtherCAT communication

Technosoft presents the new family of Micro4803 drives. Using a dedicated CPU designed for motion control applications with EtherCAT communication, the Micro4803 drives support as well CAN, USB and RS232. Having nominal currents of 2ARMS (P version) and 3.5ARMS (PE, S and SY versions) at 48V, these micro drives can control brushless rotary and linear motors, voice coils and DC brushed motors up to 240W.

The Micro4803 SY multi-axis system includes three to four micro drives, offering a very compact solution for multi-axis applications going up to 3.5ARMS at 48V per axis.

All Micro4803 drives support dual-loop architectures for backlash compensation with two incremental or absolute encoders: SSI, BiSS-C, EnDAT2.2, A-Format (Nikon, Sanyo Denki), T-format (Tamagawa, Panasonic).

Running with EtherCAT cycles and position control loops at 100μs, and PWM frequencies up to 100kHz, the Micro4803 drives are suitable for applications where movements with extreme dynamic are required (robotic, semiconductor). The miniature size and high performances make the Micro4803 drives ideal to machine builders where space and performance are critical.

Technosoft drives are known for their unique versatility of adding motion controller capabilities to the drive solution as well as supporting multiple motor technologies – brushed, voice coils, brushless rotary or linear motors can be controlled by the same product.

The Micro4803 drives developed by Technosoft on the shores of the Lake of Neuchâtel continue and enforce the strengths and advantages offered by the above capabilities of the *intelligent drives* – concept that the company has pioneered over 25 years ago.

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