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SERCOS III in the ServoOne Family

The ServoOne high-end servo system from LTi DRIVES GmbH meets the highest demands in terms of dynamism and smoothness. AC or DC fed controllers with rated currents of 2-450 A enable the optimum system to be configured for any power range. A variety of different cooling methods ensure high power density and optimum heat dissipation. DC supply modules with sinusoidal mains feedback convert surplus kinetic braking energy into electric power and feed it back into the supply grid. That is good for the environment and helps cut costs.

Thanks to its outstanding control properties and its versatile, high-quality encoder evaluation, the ServoOne is ideal for demanding synchronous multi-axis motion control applications. With SERCOS III, the ServoOne enables users of existing SERCOS applications to upgrade easily to future-proof real-time Ethernet technology.

Expanded bandwidth and an advanced redundancy and hot-plug concept deliver higher precision and machine availability without losing out on tried and proven functionality.

Seamless integration of IP communication in conjunction with the DriveManager PC software offers all customers the choice between centralized and decentralized parameter-setting and diagnostics.

Functions such as IEC 61131-3 programming, pico-interpolation and observer structures greatly enhance the performance capability of the device and round off the added value achieved by switching to SERCOS III.



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