September 2009 — Schneider Electric launches new servo range: Lexium 32 - "Inspired by Simplicity"

Lexium 32 consists of three servo drive models, two motor families and an intelligent selection of options and accessories. It provides numerous features and functions to simplify all stages of the life cycle of machines from engineering, commissioning and installation to operation.

The modular Lexium 32 servo drive platform provides three book-size servo drive models designed to simplify selection and adaptation to machine manufacturers' specific cost, power and performance requirements: Lexium 32 Compact, Lexium 32 Advanced and Lexium 32 Modular. They are extremely compact, which saves on control cabinet size, reduces the machine footprint and decreases costs.

The servo drives are complemented by two motor families – the medium-inertia Lexium BMH and the low-inertia Lexium BSH. At a high power density, the motors cover a torque range from 0.5 Nm to 88 Nm. The inertia of the new Lexium BMH motor is higher by a factor of 2.4 as compared to Lexium BSH which allows higher load inertia per motor frame size and increases the gain for settling.
Lexium 32 supports a great number of standardised motion interfaces. Communication boards and encoder options allow users to flexibly adapt a Lexium 32 solution to a wide variety of automation architectures.

Integration software facilitates the entire process from planning all the way to commissioning. Tools for motor sizing, CAD and cabinet drawings, support for PLCopen libraries and user-friendly commissioning software increase efficiency at all stages of the engineering phase and reduce the time-to-market.

All Lexium 32 servo drives come with "Safe Torque Off" on board as per IEC/EN 61800-5-2. The optional enhanced safety module eSM provides additional safety functions. This frees the user from having to devise complex, proprietary safety concepts and having them certified in all target countries.

Modbus is the standard commissioning interface; other communication options include CANopen/CANmotion, DeviceNet, PROFIBUS DP, and Ethernet/IP.

Useful links

Discover Lexium 32