AM8700: anodised servomotors in Hygienic Design

The anodised servomotors from the AM8700 series combine the advantages of the highly dynamic AM8000 standard servomotors with features to meet the requirements of the packaging and food industries. Like the AM8800 series motors, the AM8700 motors meet hygienic design requirements and are therefore suitable for use in the food, pharmaceutical and chemical industries. With their specially treated aluminium housing, the AM8700 motors are able to withstand harsh operating conditions without an impact on the excellent thermal conductivity, so that no derating of the motor power occurs. In comparison with a stainless steel housing, the aluminium housing is very light and therefore offers a further benefit if moving axes are involved, e.g. The AM8700 motors are available in flange sizes F3 to F6, each with three different overall lengths. All types offer IP 69K protection as standard (output shaft not included) and can optionally be equipped with a sealing air connection to prevent condensate formation.

Tubular motor: precise and dynamic linear movement without additional mechanical drive components

The ironless tubular motor AA2518 is able to perform extremely smooth translatory movements, because no cogging occurs, and does not require further mechanical components for power transmission such as e.g. a spindle. With a peak force of 1050 N, an acceleration of 8 m/s and the cogging-free design, AA2518 meets the highest requirements for precision and dynamics. Thus, it is ideally suited for use, e.g., in the packaging industry or the machine tool sector. Because of the design without additional mechanical drive components, the tubular motor is wear-free and the installation is simplified.
New UPS series with communication capability

With the new CU81xx UPS series, all Beckhoff components can be safeguarded. A special feature of the UPS series is its compatibility and ability to communicate with all existing Industrial, Panel and Embedded PCs. For communication with the PC, USB 2.0 can be used or UPS OCT via a 24 V line. These interfaces can be used to retrieve status data for diagnostic purposes or to configure the UPS. The series encompasses one capacitive UPS (0.9 Wh) and two battery-backed devices (15 and 30 Wh), depending on the version, with double-layer film capacitors or nickel/metal hydride batteries. The batteries are easily accessible in the UPS to enable easy replacement without having to dismantle the unit or dismount it from the DIN rail.

The TwinCAT library TC3 XTS Extension has been expanded with Track Management software functionality for the eXtended Transport System (XTS). It enables the combination of a virtually unlimited number of tracks in varying length. In this way it is possible to move motor modules, i.e. track sub-sections between different XTS tracks by means of customer-specific mechanical devices. In addition, the switch between different tracks is possible without having to interrupt the system operation. One of the manyfold application examples of this functionality is discharging a mover from an otherwise closed system or replacing it with another mover in order to implement automatic tool changes or fast format changes e.g. With a switch functionality implemented in this way it is also possible to have movers alternate between two or more systems in order to integrate optional workstations. Other applications could be the implementation of product buffers, storage in warehouses or product sortation.