

SEW-EURODRIVE INTRODUCES NEXT GENERATION DECENTRALIZED CONTROL FOR SOPHISTICATED MATERIAL HANDLING APPLICATIONS

IP65 and IP69K ratings suit both dry and wet environments

Lyman, SC – Jan. 8, 2008 –SEW-EURODRIVE, a world leader in integrated power transmission and motion control solutions, has introduced MOVIFIT® Field Integrated Technology, the next generation in intelligent decentralized control. The award-winning MOVIFIT combines the advantages of decentralized control with the latest in drive application and communication technologies for automotive, food and beverage, logistics and other sophisticated material handling applications.

The modular MOVIFIT series is available in both standard IP65 and hygienic washdown IP69K rated construction, providing a flexible and highly scalable platform for plant-wide decentralized control in a wide range of wet and dry environments. Preconfigured control routines for both horizontal and vertical conveyor applications provide ready-to-use functions that simplify programming and start-up. They make it easy to engineer solutions using standard conveyor modules. Drive parameters can be set simply without configuration tools using DIP switches or programmed over fieldbus.

Real-time diagnostics for greater equipment availability is enabled through the latest communication networks, including EtherNet/IP, PROFINET, DeviceNet and PROFIBUS. This wide range of communication options simplifies integration of the latest control technology into existing plant systems.

“SEW-EURODRIVE introduced the first variable speed gearmotor to the U.S. market nearly 30 years ago and has long been a pioneer in drive-based automation,” said Dave Ballard, SEW’s U.S. marketing director. “MOVIFIT reflects those years of experience in engineering economical and high-performing drive solutions for OEMs and manufacturers around the world. In our field trials, the unique capabilities of MOVIFIT enabled customers to reduce the cost of design, installation and startup, compared to a centralized control system, by up to 30 percent.”

To meet the hygienic requirements of the food and beverage industry, the IP69K version of MOVIFIT is protected by a special surface coating and contoured, self-draining housing that repels liquids and is unaffected by aggressive detergents and cleaning agents. The dual-chamber design houses electronics and communications in one chamber, connection and mounting technology in the other. An inner seal protects power electronics against humidity, and flexible new connection technology allows quick replacement of electronics without wiring work for faster maintenance. An inspection window with LED display, downward cable runs, stainless steel caps and optional pressure compensation complete the IP69K requirements

MOVIFIT provides an easy-to-use platform for decentralized control in a wide range of applications that require sophisticated drive control and communications. The modular design makes it easy to select a variety of combinations to deliver exactly the system functionality required for an application:

- MOVIFIT FC - open loop inverter up to 5HP, safe stop, integrated brake control and overload protection, energy distribution, fieldbus or ETHERNET communication and local I/O, with optional disconnect switch for maintenance and safety communication technology.
- MOVIFIT SC – reversing starter or dual starter up to 5HP, configurable soft start and integrated brake control, energy distribution, fieldbus or ETHERNET communication and local I/Os, with optional maintenance switch.
- MOVIFIT MC – controls up to three MOVIMOT® gearmotors and includes integrated safe stop, maintenance switch with line protection, energy distribution, fieldbus or ETHERNET communication and local I/Os, as well as optional safety communication technology.

In addition to its modular design, MOVIFIT includes a library of preconfigured, reusable application routines that reduce engineering and installation costs. Programming is simplified using standard IEC 61131 languages. The system accommodates a wide range of control topologies, including a master with up to seven slave units on one bus address, which reduces component costs.

About SEW-EURODRIVE

Engineering excellence and customer responsiveness distinguish SEW-EURODRIVE, a leading manufacturer of integrated power transmission and motion control systems. SEW solutions set the global standard for high performance and rugged reliability in the toughest operating conditions. With its global headquarters in Germany, the privately held company has more than 11,000 employees with a presence in 46 countries worldwide. U.S. operations include a state-of-the-art manufacturing center, five regional assembly plants, more than 63 technical sales offices and hundreds of distributors and support specialists. This enables SEW-EURODRIVE to provide local manufacturing, service and support, coast-to-coast and around the world. For more information, visit www.seweurodrive.com.

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