

# PRODUCT RELEASE

...the leader in Spring Pressure technology

FOR IMMEDIATE RELEASE | ISA Houston, 2009

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**ISA Houston Booth 2326**

## Modular SPEEDWAY IP67 I/O-SYSTEM Offloads Programmable Motion Controllers

**GERMANTOWN, WI** – July 2009 – As a comprehensive, machine-mountable IP67 control network, WAGO Corporation's SPEEDWAY 767 I/O-SYSTEM eliminates enclosures and extensive sensor/actuator wiring. SPEEDWAY combines the power of a PLC, fieldbus-independence and the modularity of distributed I/O, taking controls out of the traditional cabinets and deep into the field.

Ideal for large-scale applications, SPEEDWAY offers several digital, analog and specialty modules for customized distributed control systems. Power and networking communication/signal transmission occur via robust M8 or M12 molded cables. SPEEDWAY provides up to 512 distributed I/O points on one fieldbus address: 64 I/O modules per network with 8 I/O points/module, 50m between two modules and up to 500m in total network length. This provides machine-mounted I/O exactly where needed — at sensors and actuators. For max reach, SPEEDWAY has one of the broadest operating temperature ranges (-25°C...+60°C); all components withstand solvents, fats, oils and other aggressors.

Modularity and IP67 strength help reduce upfront design and commissioning costs, while SPEEDWAY's programming capabilities optimize efficiency and productivity.

In addition to supporting prominent protocols such as EtherNet/IP, Modbus/TCP, ProfiNet, Profibus, DeviceNet and CANopen, SPEEDWAY is fully programmable via CoDeSys 3.0 and configurable via FDT/DTM technology. According to Charlie Norz, Product Manager for the WAGO-I/O-SYSTEM, SPEEDWAY cross-communicates with programmable motion controllers prevalent in process industries such as packaging.

“With CoDeSys 3, IEC61131-3 compliant object-oriented programming and integrated visualization editor, SPEEDWAY is multi-resource capable,” Norz said. “It programs PLC networks within one application and optimizes reaction time by offloading PLC systems, fieldbuses and motion controllers, as well as pre-processing I/O signals.”

SPEEDWAY protects productivity via System Parameter Handling. SPH saves all settings (both factory and user-specified) in the I/O module, as well as the system coupler or controller. SPEEDWAY instantly recognizes system changes (e.g., power

outage or module replacement) and automatically recovers parameters, ensuring no time lost to reprogramming or reconfiguring the system. Onboard USB ports provide access to system functions and error correction without replacing components. System changes are also recognized; SPEEDWAY instantly recognizes system changes (e.g., power outage or module replacement) and automatically recovers parameters, ensuring no time lost to reprogramming or reconfiguring the system. Onboard USB ports provide access to system functions and error correction without replacing components.

SPEEDWAY also simplifies diagnostics. In addition to onboard LEDs, module and channel indication, detailed software information is available. This includes asynchronous/synchronous diagnostics and extensive detail of front-end errors (e.g., short circuit, overloads, wire breakage, under/overvoltage conditions), S-BUS errors and appropriate warnings (e.g., initializing, overload conditions or failure maintaining cycle times).

WAGO is the leader in spring pressure connection technology that eliminates loose wires resulting from vibration and temperature cycling, while providing highly reliable, corrosion-resistant and maintenance-free connections. Products: DIN-rail, PCB and chassis mount terminal blocks; signal conditioners; the WAGO-I/O-SYSTEM and more.

For additional information, visit [www.wago.us](http://www.wago.us), or contact WAGO at 1-800-DIN-RAIL or [info.us@wago.com](mailto:info.us@wago.com).

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