Press Release

Compact, economical ricosFLEX remote I/O system expands to 64 modules per bus coupler…
(ricosFLEX.jpg)

For download of this product datasheet, please refer to our website:
www.wielandinc.com/network-and-fieldbus-systems

Wieland Electric's Modular Remote I/O System Supports Six Different Bus System Protocols

Wieland Electric Inc., a leading global manufacturer of innovative electrical interconnect technology, has developed a flexible, compact and efficient modular I/O fieldbus system that enables machine design engineers to combine up to 64 user modules on a single bus coupler to send I/O using PROFIBUS, PROFINET, CANopen, Modbus TCP, EtherCAT, or ETHERNET/IP protocols.

"*ricos*FLEX is one of the fastest, most compact and versatile remote I/O systems available." said Martin Lalonde, Application Engineer at Wieland Electric. "Its elegant design considers both the system designer and service technicians through a myriad of smart and simple features."

Modules in the *ricos*FLEX I/O system include bus couplers for each of the six most common industrial protocols; analog input and output modules with resolutions of up to 16 bits; and digital input and output modules with 2 to 8 channels per module.

Fast reaction times of 20μs are possible with the integrated 48Mbit/s backplane bus. The complete assembly mounts on a standard 35mm DIN rail.

Each *ricos*FLEX I/O module consists of a base and pluggable electronic function module. The base incorporates space-saving stepped wiring terminals that employ proven spring clamp connections and connections for an integral backplane bus. The electronic function module can be disconnected from the base without tools by means of a secure "slide and click" interlock mechanism. The electronic module can also be removed while allowing the field wiring to remain intact which facilitates maintenance work. LED indicators on the module provide clear diagnostics and channel status at a glance. The wiring diagram of the module is also included on the side of the module eliminating the need to search through manuals and drawings. DIP switches mean fast programming and no need search for software or specialized programming cables. Individual channel assignments can be indicated on the front labeling strips, and the wiring terminal assignments are printed on the module face.

Another benefit of the ricosFLEX system is reduced part count. The bus coupler module includes a power supply and end plate, and the I/O modules are supplied with the mating terminal sockets. Termination resistors are not required. This facilitates stocking and eliminates ordering issues.

For more information about Wieland Electric's *ricos*FLEX modular I/O system, please visit http://www.wielandinc.com/en-us/products/network-and-fieldbus-systems. For all other inquiries about Wieland Electric, please visit www.wielandinc.com or call 1-800-WIELAND (1-800-943-5263).

About Wieland

Wieland Electric Inc., founded in 1910, is a leading, global manufacturer of electrical interconnect technology products. Headquartered in Germany with a North American Operations Center and subsidiaries throughout the world, Wieland Electric has 2200 employees in more than 70 countries to service worldwide customers. Wieland provides solutions to the industrial & building automation, wind, solar, HVAC, and power generation markets. Local inventory, value-added services and technical resources at the North American Operations Center support a national sales and distribution channel. Wieland is ISO 9001 certified.

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