

PLC Functionality for Multiprotocol I/O Modules

Turck's Ethernet block I/Os can be turned into compact PLCs using the browser-based ARGEE programming software

Mülheim, March 15, 2016 – At the Hannover Messe Turck is showcasing ARGEE – a simple PLC functionality for Turck's multiprotocol block I/O modules in IP20 and IP67. ARGEE enables PLC functions to be programmed directly on the modules of the TBEN-L, TBEN-S, BL compact and FEN20 block I/O series. In this way, simple controller functions can be outsourced to the I/O modules, thus relieving the workload on the central PLC and the bus communication. The ARGEE programming environment is a simple web application. It simply requires a Windows PC with a web browser such as Chrome or Firefox. Thanks to Turck's multiprotocol Ethernet, modules pre-programmed in this way can be used in Profinet, Ethernet/IP or Modbus TCP networks. Simple requirements can also be implemented on the Turck block I/O modules completely autonomously with ARGEE.

Programming couldn't be easier. In Simple mode, which is like a ladder diagram editor, drop-down fields provide the means by which inputs and outputs can be linked with Boolean operators and actions. This makes it therefore possible to program basic functions without any knowledge of a programming language. Professional mode makes the entire range of functions available, which can be used, for example, to implement sequential function charts without any programming knowledge necessary.

From the Hannover Messe onward, the TBEN-S and BL compact block I/O series will be available with ARGEE. TBEN-L and FEN20 will follow in the course of the year.

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In future, Turck's block I/Os can take over simple controller tasks with ARGEE

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