

Fax

I would like to receive further information on Fieldline.

I would like to receive further information on:

Please send your newsletter to the e-mail address below.

I would like a personal consultation without obligation.

Name _____

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Catalog
CLIPLINE
Modular Terminal Blocks, Marking and
Mounting Materials, Tools



Catalog
PLUSCON
Industrial Plug Connectors



Catalog
COMBICON
PCB Connection Systems and
Electronic Housings



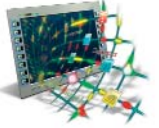
Catalog
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Surge Voltage Protection



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INTERFACE
Signal Conditioning



Catalog
AUTOMATIONWORX



CD-ROM Complete Catalog

Supplement Catalog



AUTOMATIONWORX

Fieldline IP65/67 I/O System – Easy Installation!

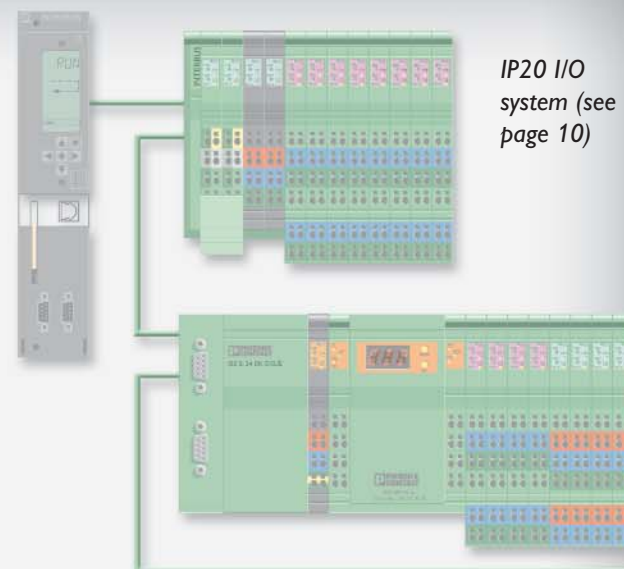


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Fieldline –
Easy installation directly in the field

From the control cabinet ...



... to the field level

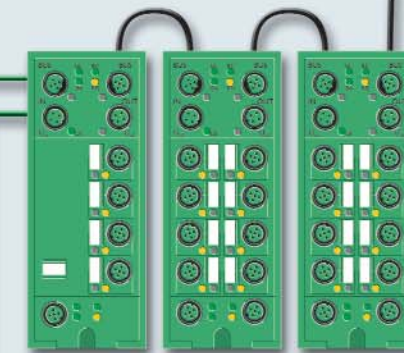
Fieldline – The open-bus I/O system with IP65/67 protection permits direct I/O communication in the field. The high degree of protection for the installation design means that the number of control cabinets can

be minimized or the cabinets even excluded completely. Both connections to sensors and actuators and the bus connection should ideally be implemented with ready assembled sensor/actuator cables to cut installation time to a minimum. Direct installation in the field reduces cable routes, allowing for more compact designs and less service time.



DeviceNet™

CANopen



Because Fieldline includes both stand-alone and modular designs, it can be used in almost any application.

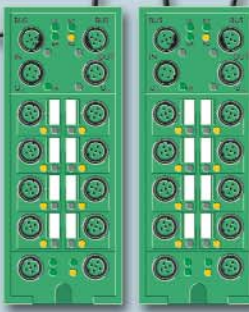
Openness to INTERBUS, Profibus, DeviceNet and CANopen makes integration in any control platform possible and is an important criterion for choosing

Fieldline as a long-term investment.

Fieldline – Easy Installation!

Phoenix Contact I/O systems

Complete open-bus installation inside and outside the control cabinet. Seamless diagnostics concepts and standardized installation procedures save time and costs.



The Fieldline Modular local bus connection increases flexibility during assembly



Installation close to the machine with Fieldline



Distribution with Fieldline Stand-Alone



Distributed networking of functional units with Fieldline Modular

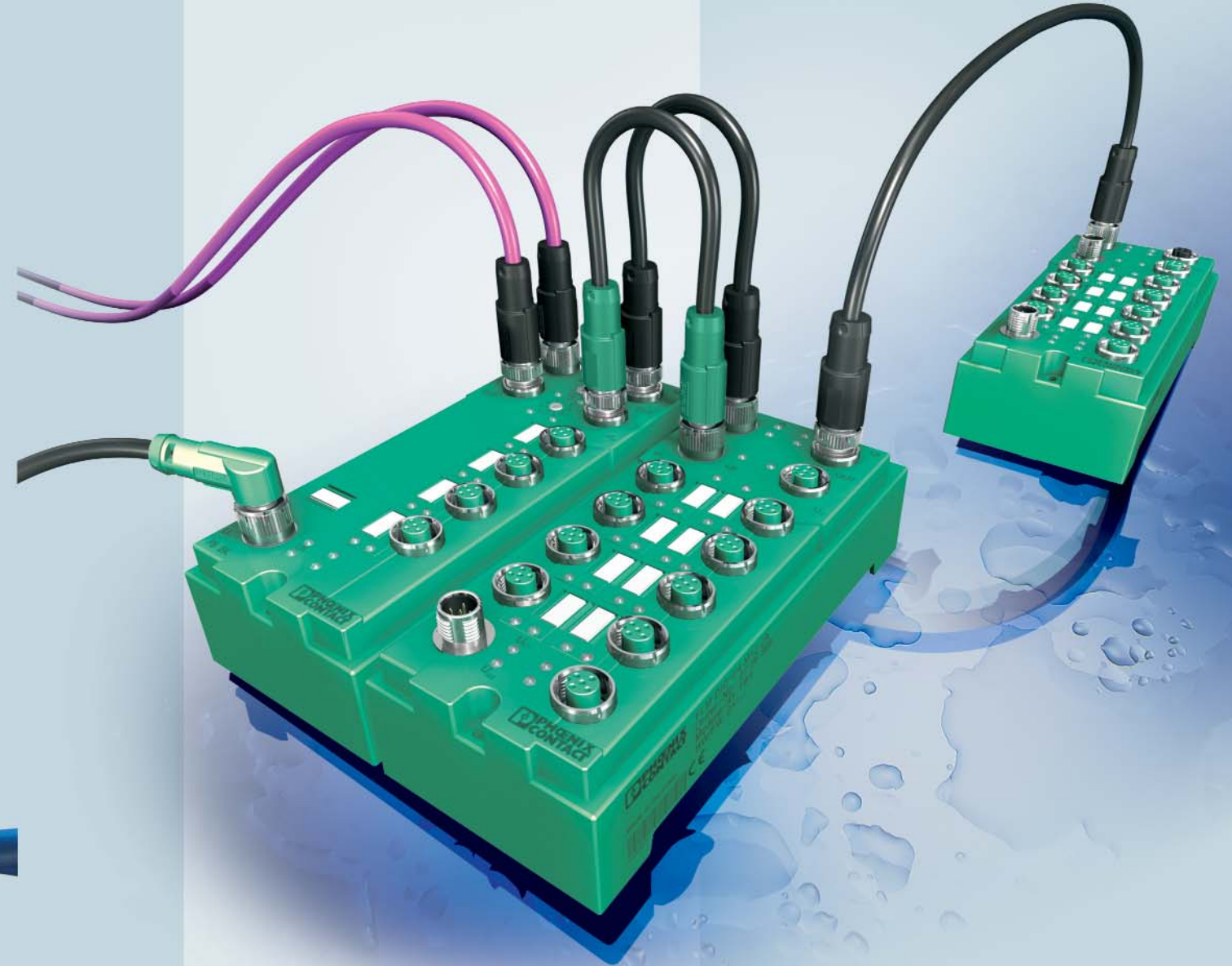
IP65/67 installation – Fieldline Stand-Alone and Fieldline Modular

Fieldline Stand-Alone

Distributed operations with a low channel density and a small number of functions require simple, compact I/O units with an integrated bus connection. This makes it possible to minimize cable lengths, to reduce service time using integrated diagnostics, and to save on installation costs. The mechanical design focuses mainly on ergonomics, durability and flexible implementation directly in the field under harsh industrial conditions.



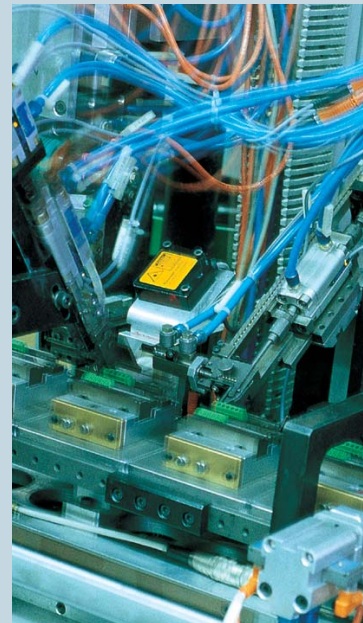
Fieldline Stand-Alone
Capturing simple I/O functions with Fieldline Stand-Alone affords optimum cost-benefit ratios for low-density systems.



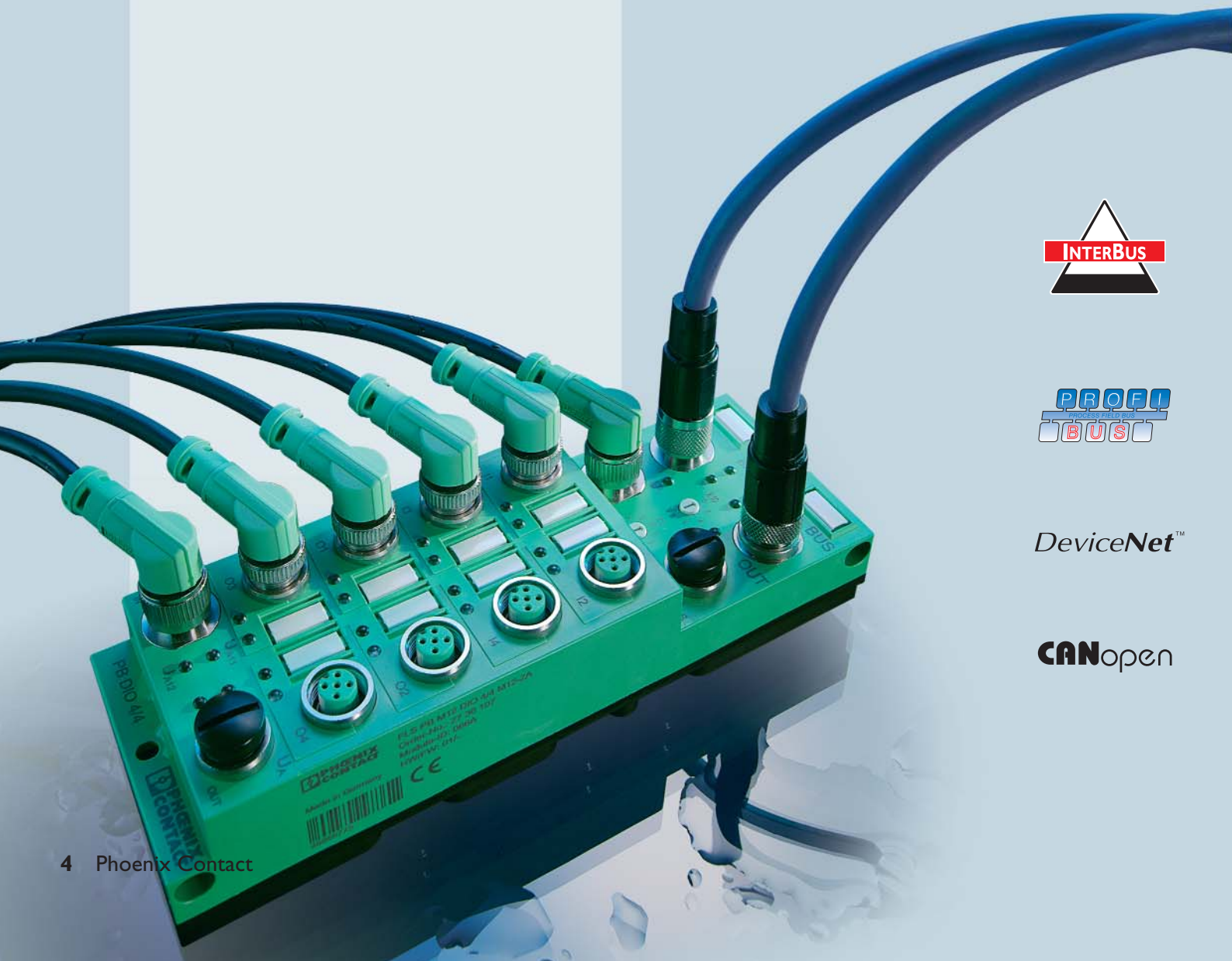
Fieldline Modular

High numbers of I/O nodes and the networking of complex I/O functions necessitate modular acquisition at one bus node. This reduces the number of bus nodes and consequently the bus load in the case of message-oriented bus systems. Fieldline Modular collects digital and analog I/O data and bundles it to form a complete I/O map. Installation is flexible, thus saving time and costs. The integrated SPEEDCON connection system reduces connection times by up to 90%.

Fieldline – Easy Installation!



Fieldline Modular
Fieldline Modular provides the ideal network solution in terms of cost and bus utilization for complex I/O maps and high numbers of I/O nodes.



DeviceNet™

CANopen

Fieldline Modular – Flexible installation with IP65/67 protection

Fieldline Modular converts complex I/O signals into bus-specific system maps. The powerful Fieldline Modular local bus permits short cycle times and flexible connection of I/O devices.

Local bus functions are converted transparently to bus-specific services, thus ensuring optimum integration.

Powerful diagnostics and optimized connection and assembly methods save time during configuration, startup and maintenance.

Fieldline – Easy Installation!



DeviceNet™

CANopen

SPEEDCON

Save up to 90% installation time and open up new horizons for M 12 installation technology. SPEEDCON is fully upwards and downwards compatible with standard M 12 systems, thus securing project planning investments and minimizing warehousing. SPEEDCON is available for sensor/actuator cables, bus cables and power supply cables.



SPEEDCON makes it possible to install electrical connections in half a turn in line with our "Plug and Turn" principle.

Flexible assembly
The Fieldline Modular local bus is powerful and flexible.

Local bus extensions with a maximum of 20 m and up to 16 local bus devices allow cost-optimized, flexible I/O networking.

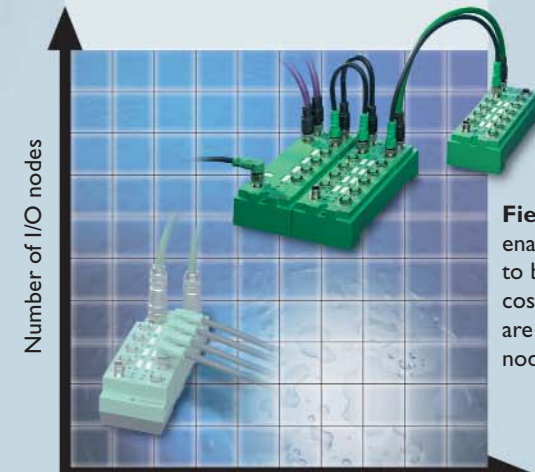
DI
AI
AO
DO



Handling
The sockets are spaced in the best possible way to afford good handling of plug connections and accommodate space requirements.

Fieldline Modular

The sturdy IP65/67 housing design allows you to install the I/O interface connection directly in the field – even under the most unfavorable of conditions. Integrated power supply diagnostics and precise signaling of local bus statuses reduce service costs and machine downtime.



Number of I/O nodes

Functions

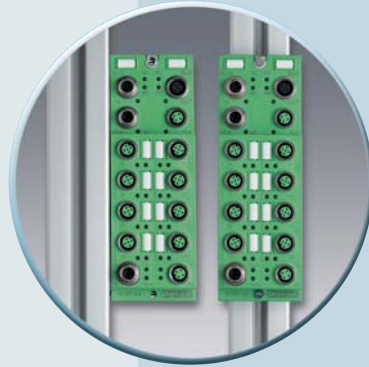
Fieldline Modular enables complex functions to be captured and offers cost advantages where there are high numbers of I/O nodes.

Fieldline Stand-Alone – Distribution par excellence

Fieldline Stand-Alone makes it possible to distribute digital I/O functions right down to the last detail.

Simple operating elements, easy-to-install electrical connections and flexible assembly of the module itself enable economical I/O acquisition directly in the field. Openness to standard bus systems, such as INTERBUS, Profibus, DeviceNet and CANopen, allows future-oriented field installation with IP65/67 protection.

Fieldline – Easy Installation!



Flexible assembly

Fieldline can be mounted on any level surface. The Fieldline housing features two integrated assembly holes and adapts the installation to suit the application and not the other way around.



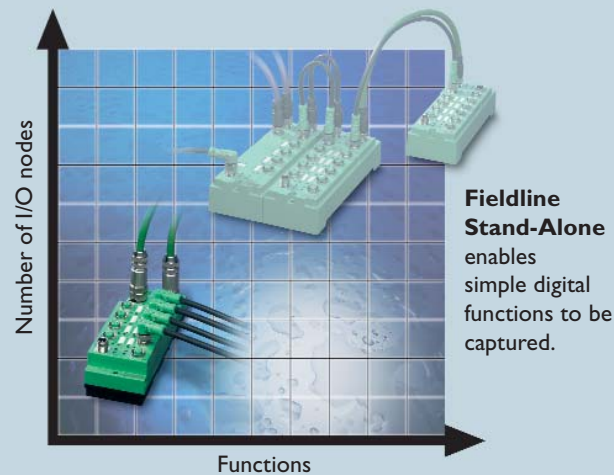
Easy operation

The bus parameters can be defined without any additional devices or tools. A standard screwdriver is all you need for setting the bus address – even under difficult assembly conditions.



Simple handling

Installation in the field must be simple, fast and fault-free. The arrangement of the connections makes Fieldline easy to install. The M 12 connection system is used, preferably with preassembled cables. This saves time and costs during installation.



► Fieldline range of accessories – Everything you need

① Bus cables

Bus cables with integral M 12 plug connectors shorten installation time and minimize the frequency of errors. Cables are available for INTERBUS, Profibus and CAN-based networks, such as DeviceNet and CANopen. Standard lengths of 0.3 m to 15 m and fitted male and female connectors are sufficient for any application. Bus cable versions with the SPEEDCON quick locking system are also available.

② Sensor/actuator cabling

The comprehensive range of sensor/actuator cabling is now also available with SPEEDCON connections. Versions with different numbers of positions, customized cable lengths and different cable types are available with straight or angled integral plug connectors.

③ Installation accessories

A wide range of installation accessories, such as protective caps for empty sockets, split cables for the power supply and Hammer nuts for profile mounting round off the Fieldline range.

④ M 12 plug connectors

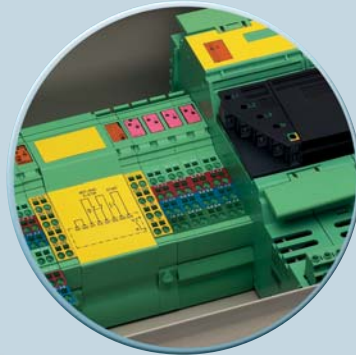
A wide range of M 12 plug connectors can be used whenever a flexible cable length is necessary. Fully shielded versions for bus installations or unshielded versions for sensor/actuator cabling are available with screw connections or future-oriented spring-cage connections as required.

⑤ Accessories for bus installations

Terminating resistors adapted to the Fieldline M 12 connection system for CAN-based networks and Profibus ensure safe termination of bus lines. T-pieces – with integrated longitudinal induction for Profibus – are available for especially flexible installations.

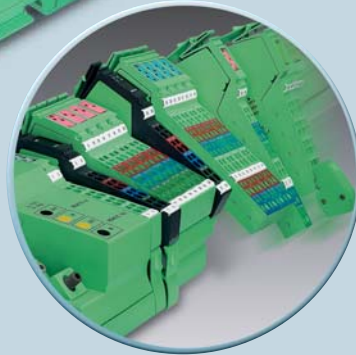
IP20 I/O system – Satisfying all your automation needs

Distributed automation in the terminal box – no problem. The Inline I/O system with degree of protection IP20 offers the user the greatest possible benefit through optimum adaptability to any automation task.



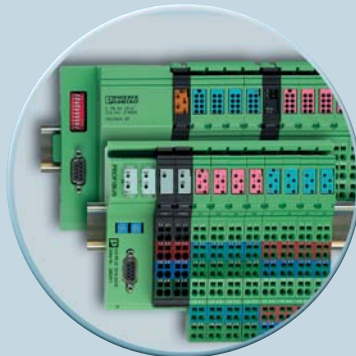
Versatile

A choice of power, function and safety modules



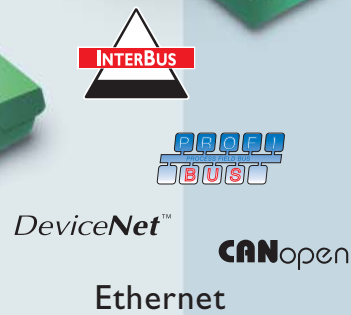
Flexible

The highest possible level of modularity



Seamless

Standard I/Os as a block and highly flexible modular I/Os – all in the uniform Inline concept



INLINE

Whether for high granularity of digital inputs and outputs, or for high reliability of analog sensors plus a host of different functions: Inline with its open-bus feature adapts flexibly to each and every application.

Inline Block IO is a compact addition to this automation kit. The modules are only 55 mm high and yet offer a high number of channels over the smallest imaginable space, including the bus connection.

Clip Project automation Fast and thorough project planning

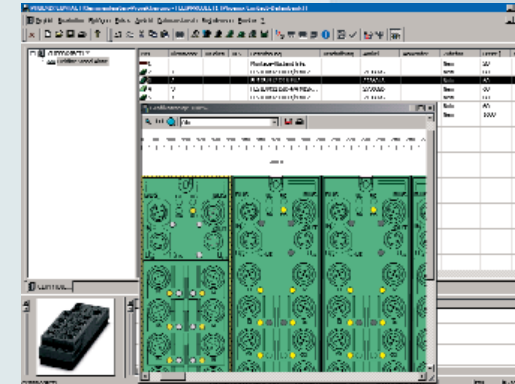
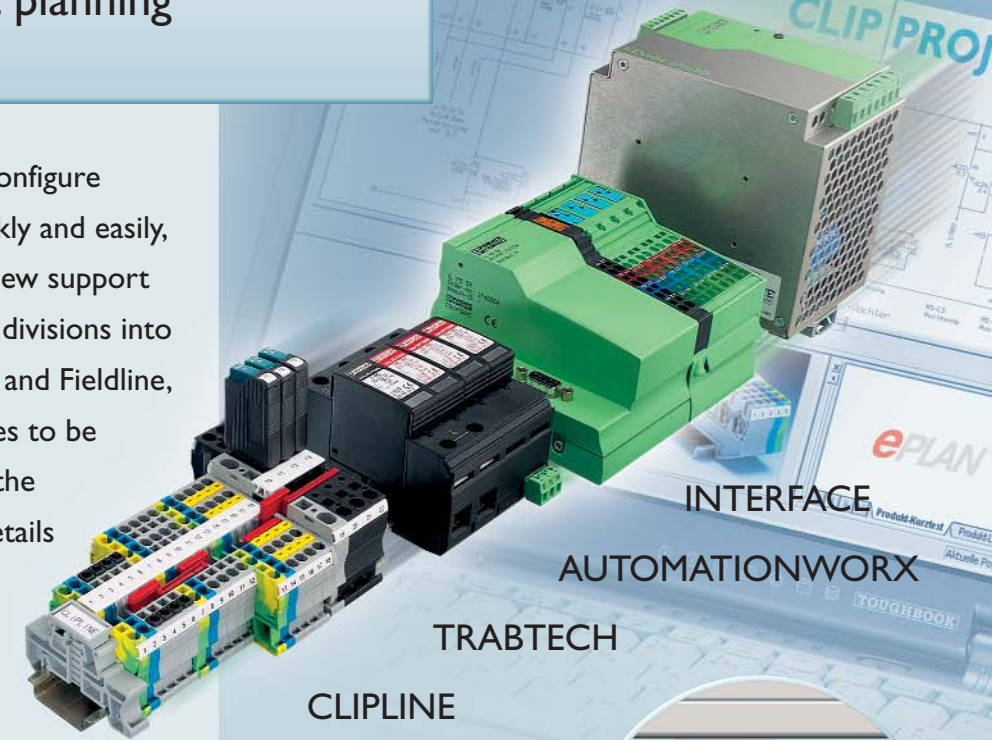
If you want to combine and configure automation components quickly and easily, Clip Project Version 5 is the new support tool. It is well organized, with divisions into product groups such as Inline and Fieldline, allowing the individual modules to be found fast and selected from the product tree. The technical details necessary for project planning are displayed for the individual product.

After an Inline I/O station has been put together from the various modules and functions, a plausibility check can be performed to check the configuration of the station.

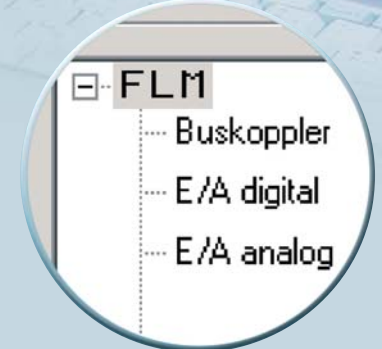
After configuration, documentation follows: Clip Project generates parts lists, dimensions, diagrams and labels.

An export function to MS-Excel and MS-Word, as well as to ePLAN, is also integrated.

Clip Project saves you plenty of time during configuration.



View of station with dimensions



Clearly structured selection from the Automation Catalog followed by a double-click to position the modules on the DIN rail.



Configuration of Phoenix Contact components: CLIPLINE, TRABTECH, AUTOMATIONWORX and INTERFACE