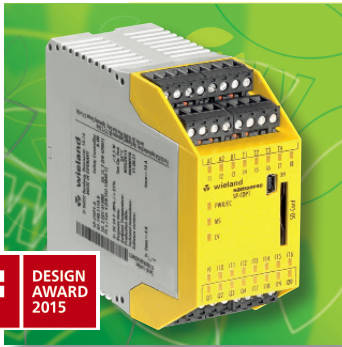




Innovations 01/2015

**System solutions for automation and
building system technology**

W



SP-COP1

The device from the **samos**[®] PRO COMPACT product family offers all important, safe basic components in a compact design.

Features

- Width 45 mm
- 20 safe inputs
- 4 safe outputs
- USB port
- Switching power 4 A



SP-COP2

The device from the **samos**[®] PRO COMPACT product family offers, in addition to the safe basic functions, greater flexibility, an Ethernet interface and industrial on-board communication protocols.

Features

- Width 45 mm
- 16 safe inputs
- 4 safe outputs
- 4 safe, configurable I/O
- USB port
- Ethernet connection
- Switching power 4 A

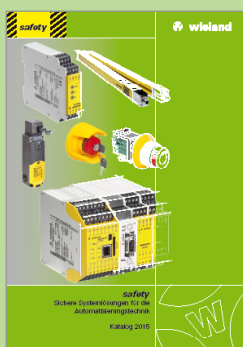


samos[®] PLAN 5+

is the new and innovative programming tool for **samos**[®] PRO COMPACT, the next generation safety controller.

Features

- Hardware configuration with pre-defined sensors and actuators
- Logic programming with up to 300 certified function blocks in one project
- Logic simulation and support via integrated logic analyzers
- Detailed documentation on the project, freely-configurable by the user
- Extensive diagnostic function during operation with logbook and operating hours counter



Information to our products:
 0860.1 **safety**
 System solutions for automation technology
 or at <https://eshop.wieland-electric.com>



ricosFLEX I/O field bus system

Economic, compact and modular. The new I/O field bus system offers a continuous concept for the exchange of data between controller and field periphery. Bus couplers for EtherCAT and ETHERNET/IP are new features. Some 6 different industrial bus systems are therefore now covered.

Features

- Cost-efficiency through a highly modular design
- 2 to 8-channel modules
- Narrow module width of 12.9 mm
- Up to 64 modules can be connected to each bus coupler
- Spring tension connection terminals
- Very fast reaction time
- Individual channel inscription



wipos PS1 and wipos PS3

The dependability of the power supply has a great influence over the availability of the machine or the process. And so a robust, proven power supply structure is extremely important. At the same time, the new series is set apart by a very narrow overall width.

Features

- Durable in harsh environments
- Compact design (up to 50% smaller than comparable products)
- 120% power boost for 10 s
- Full output during 2-phase operation
- Wide voltage input
- Temperature range of -40 to +70 °C
- Lloyds Register Ship Certification (LR)

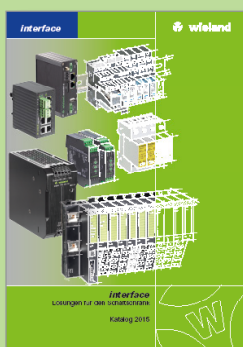


cores C2 MB-A analog buffer amplifier

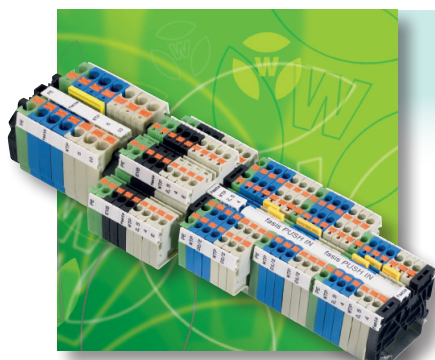
The new buffer amplifier cores C2 MB-A is an expansion of the existing **cores** C2 series and offers, in addition to a universal input range, bi-polar output signals -10...+10 V and -20...+20 mA.

Features

- 3-way isolation
- Universal input range: Voltage, current, thermocouple, potentiometer or rheostat
- High accuracy via digital conversion
- Width of 17.5 mm
- Plug-in screw clamp
- Broad temperature range (-10 ... +60 °C)



Information to our products:
 0800.1 **interface** Solutions for the Control Cabinet
 or at <https://eshop.wieland-electric.com>



fasis WTP

Do you wish to terminate wires easily, directly and without tools? **fasis WTP** – these are DIN rail terminal blocks with push-in-connection. With an effective global concept, compact design and high-performance contact technology, **fasis WTP** minimizes the installation time and reduces inventory costs to a minimum.

Features

- Tool-free push-in connection
- Double-row, pluggable bridging duct
- Optimized portfolio – fewer terminal blocks – same functionality
- Integrated release lever



Information to our products:
0500.1 DIN rail terminal blocks catalog
 or at <https://eshop.wieland-electric.com>



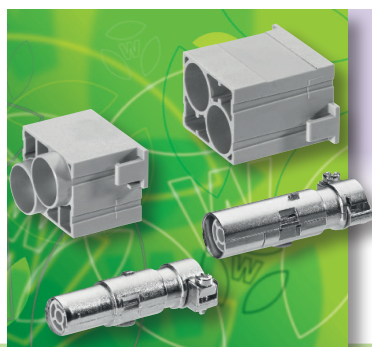
revos BASIC push-in connection technology

The **revos BASIC** series has now been expanded by an additional connection type.

Flexible conductors with cable end sleeves and rigid conductors of this series can be connected without tools.

Features

- Extremely short connecting time
- Gas tight, vibration and shock proof connector
- Testing also possible when inserted
- Simple manual operation

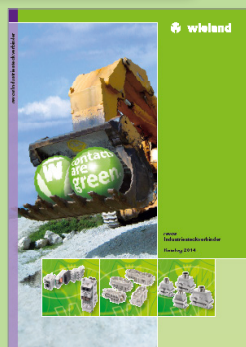


revos FLEX TWIN BUS

The modular **revos FLEX** system is being expanded by TWIN BUS inserts. They are extremely suitable for transferring sensitive signals in heavy-duty plug connectors. The contact carrier is designed for two plug inserts. The connection system is achieved via the tried and proven turned \varnothing 1.6 mm contacts, and offers a connection range of 0.5-2.5mm² with a rated voltage of 50 V and a rated current of up to 10 A.

Features

- Very large currents can be transmitted
- Mixed assembly of signal and power contacts in one plug connector
- Easy assembly and disassembly with the module frames



Information to our products:
0530.1 revos industrial multipole connectors
 or at <https://eshop.wieland-electric.com>



gesis®RST®CLASSIC socket

The **gesis®RST®CLASSIC** was extended by an important accessory. This socket is ideal for connecting on containers or house facades. It is especially suited for seasonal connection of Christmas illumination, advertising, or small photovoltaic systems in the garden or on the balcony.

Features

- Defined interfaces via mechanical coding of the RST CLASSIC connector system
- Installation of typical flush-mounted sockets
- Touch-proof contacts (unplugged also)



M8 / M12 pre-assembled cables

The M8/M12 cabling system is the ideal solution for a fast and safe field installation in automation technology. Endless installation topologies are possible through various basic components.

Features

- Extensive product portfolio
- Robustness and the simplest possible handling
- Tested and certified products

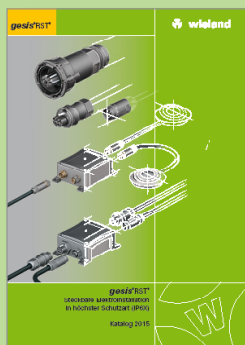


M8/M12 distributor

The distributor of the M8/M12 field installation program makes decentralized installation child's play. The installation effort is significantly reduced by replacing cables laid in parallel by just one single main cable.

Features

- Decentralized field installation
- Defined and standardized interfaces
- Fast, safe installation



Information to our products:
 0695.1 **gesis®RST® MINI**
Smallest pluggable installation connector
with highest IP rating
 or at <https://eshop.wieland-electric.com>



gesis[®]FLEX modular system extension

The basic functions of the modular, to 100% pluggable KNX room automation system, with a base module that can manage up to six system extensions, were extended. For illumination and heating control, a 4-way semiconductor AC with and without fuses, and a DC variant with electronic fuse, were added. For shutter control, the actuators for AC and DC applications were supplemented by a fused variant.

Features

- System for decentralized operation
- 100 % pluggable
- Illumination, shutter, heating control in one KNX device
- Extension by AC/DC semiconductor with and without fuse
- Extension by AC/DC shutter control with fuse



gesis[®]FLEX SMI and fan coil

An SMI gateway for shutter automation and for air conditioning and a modular fan coil actuator will soon extend the device spectrum. The modular **gesis[®]FLEX** system will be extended with an intrinsic KNX connection. With this, the function segment with the Enocean Gateway and extension functions was realized by building existing KNX devices into the system housing.

Features

- System for decentralized operation
- 100% pluggable
- SMI Gateway for 8 motors (network and SMI in one connector system)
- Fan coil actuator with base module and extension is scalable corresponding to requirements

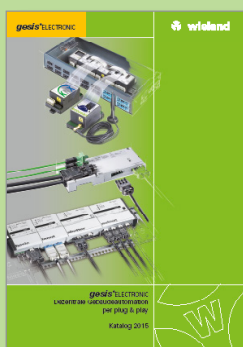


Pluggable presence detector with slave variants

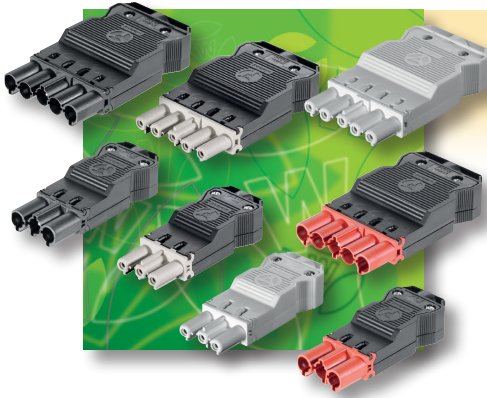
The pluggable presence detectors enable simple, convenient integration in the pluggable installation. DALI as well as scalable applications are supported. When used in large areas, the slave sensor must signal the presence of persons to the master. Thereby the DALI sensors are simply connected in parallel. The switching sensors are wired in series.

Features

- Closely intermeshed movement detection
- 100% pluggable, simple to integrate
- No separate master – slave assignment required
- Covers large areas



Information to our products:
 0700.1 **gesis**[®]ELECTRONIC
 Decentralized building installation via plug&play
 or at <https://eshop.wieland-electric.com>

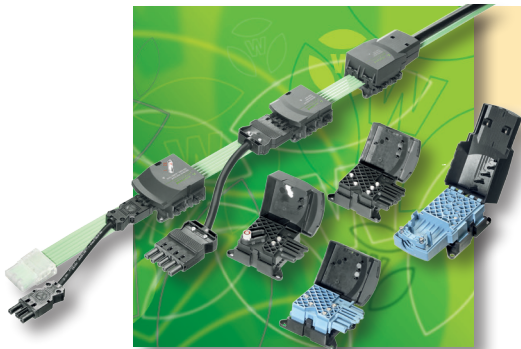


gesis® GST18® for 4 mm² cable

New growth in the **gesis®** family. The GST18® system was extended with new variants which facilitate a 100% pluggable installation of cables with 4 mm² cross-section.

Features

- 3- and 5-pole connectors
- Black/white and gray/tomato red network coding
- For cable diameters of 14.5 mm (GST18i3) or 15.5 mm (GST18i5)
- No wire end ferrules for fine strand cables required



New generation of flat cable system **gesis®** NRG

Complete reworking of the proven flexible bus bar for the GST18® installation. The new generation **gesis®** NRG can be used not only for energy distribution, but also for illumination installation. Fewer components, more possibilities.

Features

- Supply module for 6 mm² cable with rugged pull relief
- Pluggable outputs parallel to flat cable
- GST18i3 adapter with phase selection without moving the adapter
- New cable geometry with 2.5 and 4 mm²
- DALI components and cable for illumination control
- Through-hole piercing connection, with Torx® screws

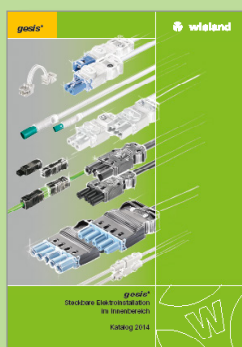


New generation of GST18i6 system

The 6-pole GST18i6 components are now also available in a flat construction type. At the same time, the system was extended with distributors and device connections, which further simplifies the pluggable installation of the illumination.

Features

- Flat construction type
- Two-color device connections indicate angle of plug
- T-pieces with two-color bottom part can be cascaded
- Easy-to-release central, wide interlock

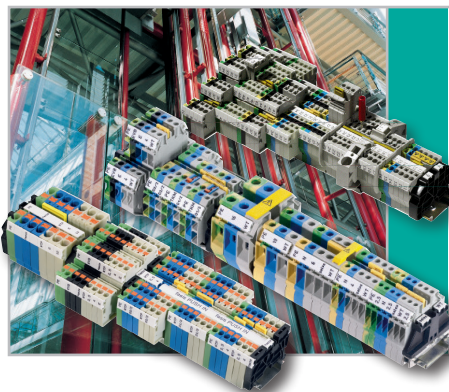


Information to our products:

0670.1 **gesis®**
Pluggable electrical installation for indoors
or at <https://eshop.wieland-electric.com>

Products and solutions for the control cabinet

CONNECT



selos, fasis

DIN rail terminal blocks

selos, fasis WKFN & **fasis** WTP – 3 product families, 3 interconnect technologies – a unique range of products. Regardless of whether you prefer screw, tension spring or push-in connection technology. Regardless of whether used in control cabinets, plants or buildings – with an extensive product range of one of the pioneers of DIN rail terminal blocks, you have played the right card!

PROTECT



safety

Safety technology

safety first! The great portfolio of safety switching devices covers all major safety functions and meets even complex customer requirements. From the safety sensors of the **sensor** PRO series through the **safe** RELAY safety relays and the modular safety modules **samos**® to the safety control **samos**® PRO you always get the suitable product for the protection of man and machine.

COUPLE

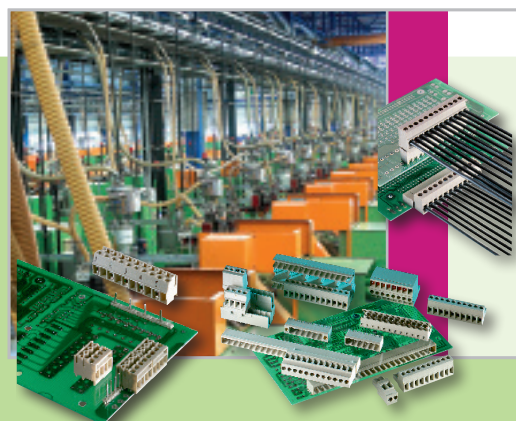


interface

Relays, power supply, overvoltage protection

Wherever electricity flows and signals are processed, **interface** products from Wieland Electric prove their extraordinary strength. The wide range of relays, the components for power supply and overvoltage protection as well as the passive interfaces and analog modules make your application a winner, too. Send a message with our **interface** technology!

CONNECT



wiecon

PC board terminals/ PC board connectors

wiecon PC board terminals are a fixed component in innumerable innovative applications. Whether with screw or spring clamp connection, pluggable or in solder version – **wiecon** can be found wherever control systems are required. Unique marking, effortless wire connection and intelligent test functions guarantee service-friendly usability and reliable connections.

Products and solutions for electrical installation

CONTROL



gesis[®] – Contemporary installation

Besides the **gesis**[®]CON system for classical electrical installations of lighting, sunblinds or socket outlets, the **gesis**[®]MINI product line with 1/3 smaller dimensions follows the miniaturization trend. **gesis**[®]MICRO, which is still a size smaller, can also be used in confined spaces due to its compact dimensions. Building automation systems are an integral part of modern utility buildings. International standardized systems like KNX, DALI, SMI or Enocean are used. Components in the **gesis**[®]ELECTRONIC program use this technology for the decentrally installed room automation.

CONNECT



gesis[®] RST[®]

Connectors for IP66/68/69K

What is the result when a unique installation philosophy for use in rough environments gets ready? 1000 new application options: In systems, for outdoor lighting, on construction sites, in solar systems or in functional buildings... **gesis**[®]RST[®] in protection degree IP66/68/69K feels at home everywhere and guarantees, also under the roughest conditions, the plug & play benefits of **gesis**[®]: consistent pluggability, invaluable advantage in time during installation, and complex system possibilities.

CONTROL

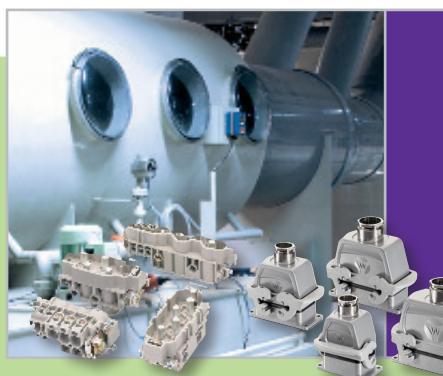


podis[®]

Decentralized power distribution

podis[®] is a modular power bus system for decentralized power distribution and simplifies planning, procurement, installation and maintenance of industrial plants. Use the quick and flawless installation for short installation times and the high system availability due to the maintenance-friendly connector system, to your specific advantage.

CONNECT



revos

Industrial multipole connectors

The industrial multipole connectors **revos** can handle even the toughest applications in the roughest environments. Whether flexible and universal connections or voltage tests with wires connected – with **revos** it is no problem at all.

Clear assignments when wiring, service-friendliness in the case of maintenance and individual marking options help you to maintain an overview at any time.

Wieland Hotline and consultation



Hotline – one call is all it takes

Naturally our service employees are available to you at any time.

Industrial Automation - Electromechanical

Hotline **+49 951 9324-991**
E-Mail **AT.TS@wieland-electric.com**

Industrial Automation - Electronics

Hotline **+49 951 9324-995**
E-Mail **AT.TS@wieland-electric.com**

Safety

Hotline **+49 951 9324-999**
E-Mail **safety@wieland-electric.com**

Building installation and automation

Hotline **+49 951 9324-996**
E-Mail **BIT.TS@wieland-electric.com**



General information and news:
www.wieland-electric.com

Visit our e-catalog at
<http://eshop.wieland-electric.com>



Our subsidiaries

... and the addresses of our sales partner worldwide are available at:

www.wieland-electric.com



USA
Wieland Electric Inc.
North American Headquarters
 2889 Brighton Road
 Oakville, Ontario L6H 6C9
 Phone +1 905 8298414
 Fax +1 905 8298413
www.wielandinc.com



CANADA
Wieland Electric Inc.
North American Headquarters
 2889 Brighton Road
 Oakville, Ontario L6H 6C9
 Phone +1 905 8298414
 Fax +1 905 8298413
www.wieland-electric.ca



GREAT BRITAIN
Wieland Electric Ltd.
 Riverside Business Center,
 Walnut Tree Close
 GB-Guildford/Surrey GU1 4UG
 Phone +44 1483 531213
 Fax +44 1483 505029
sales.uk@wieland-electric.com
www.wieland-electric.co.uk



FRANCE
Wieland Electric SARL.
 Le Cérame, Hall 6
 47, avenue des Genottes
 CS 48313
 95803 Cergy-Pontoise Cedex
 Phone +33 1 30320707
 Fax +33 1 30320714
info.adv@wieland-electric.com
www.wieland-electric.fr



SPAIN
Wieland Electric S.L.
 C/ Maria Auxiliadora 2, bajos
 E-08017 Barcelona
 Phone +34 93 2523820
 Fax +34 93 2523825
ventas@wieland-electric.com
www.wieland-electric.es



ITALY
Wieland Electric S.r.l.
 Via Edison, 209
 I-20019 Settimo Milanese
 Phone +39 02 48916357
 Fax +39 02 48920685
info.italy@wieland-electric.com
www.wieland-electric.it



BELGIUM
ATEM-Wieland Electric NV
 Bedrijvenpark De Veert 4
 B-2830 Willebroek
 Phone +32 3 8661800
 Fax +32 3 8661828
info.belgium@wieland-electric.com
www.wieland-electric.be



DENMARK
Wieland Electric A/S
 Vallørækken 26
 DK-4600 Køge
 Phone +45 70 266635
 Fax +45 70 266637
sales.denmark@wieland-electric.com
www.wieland-electric.dk



SWITZERLAND
Wieland Electric AG
 Harzachstrasse 2b
 CH-8404 Winterthur
 Phone +41 52 2352100
 Fax +41 52 2352119
info.swiss@wieland-electric.com
www.wieland-electric.ch



POLAND
Wieland Electric Sp. Zo.o.
 Św. Antoniego 8
 62-080 Swadzim
 Phone +48 61 2225400
 Fax +48 61 8407166
office@wieland-electric.pl
www.wieland-electric.pl



CHINA
Wieland Electric Trading
 Unit 2703 International Soho City
 889 Renmin Road,
 Huang Pu District
 PRC- Shanghai 200010
 Phone +86 21 63555833
 Fax +86 21 63550090
info-shanghai@wieland-electric.com
www.wieland-electric.cn



JAPAN
Wieland Electric Co, Ltd.
 Nisso No. 16 Bldg. 7F
 3-8-8 Shin-Yokohama,
 Kohoku-ku
 Yokohama 222-0033
 Phone +81 45 473 5085
 Fax +81 45 470 5408
info.japan@wieland-electric.com



GERMANY
Headquarters
Wieland Electric GmbH
 Brennerstraße 10 – 14
 96052 Bamberg, Germany
 Phone +49 951 9324-0
 Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.de

Subject to technical modifications! **gesis**®, **RST**®, **GST**®, **GST18**®, **podis**® and **samos**® are registered trademarks of Wieland Electric GmbH

Headquarters:
Wieland Electric GmbH
Brennerstraße 10 – 14
96052 Bamberg, Germany

Phone +49 951 9324-0
Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.com

Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
 - Screw, tension spring or push-in connection technology
 - Wire cross sections up to 300 mm²
 - Numerous special functions
 - Software solutions interfacing to CAE systems
- Safety
 - Safe signal acquisition
 - Safety switching devices
 - Modular safety modules
 - Compact safety controllers
 - Application consulting and training
- Network engineering and fieldbus systems
 - Remote maintenance via VPN industrial router and VPN service portal
 - Industrial Ethernet switches
 - PLC and I/O systems, standard and increased environmental conditions
- Interface
 - Power supply units
 - Overvoltage protection
 - Coupling relays, semiconductor switches
 - Timer relays, measuring and monitoring relays
 - Analog coupling and converter modules
 - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
 - Electrical installation for wind tower
 - Fieldbus interfaces and motor starters
- Connectors for industrial applications
 - Rectangular and round connectors
 - Aluminium or plastic housings
 - Degree of protection up to IP 69K
 - Current-carrying capacity up to 100 A
 - Connectors for hazardous areas
 - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP 20/IP 65 ... IP 69K
 - Bus connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Room automation with KNX and wireless technology
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection