wieland

Lift and Elevator Technology

Intelligent system solutions for
both retrofit and new designs

FASTER OVERVIEW FOR PROS

Find out about our lift and
elevator solutions and have a look
at our industry video
on **YouTube** – it's worth it!

You Tube

Bringing lift technology up to speed

Wieland Electric offers the lift and elevator technology Industry numerous products and solutions for elevator shafts and control cabinets. Our technically advanced products and system solutions meet the most stringent safety requirements. Field-tested and proven in the elevator technology industry are efficient, energy-saving and cost-effective. Wieland Electric supports its customers with a multitude of services, from project planning to commissioning. In closely partnered collaboration, we want to implement safe solutions together with you that conform to standards for your new construction or modernization measures.

Solutions for the Elevator Shaft

Innovative elevator and lighting solutions for passenger, freight elevators, service lift and escalators to meet normative requirements.

Components in the Control Cabinet

Power, data and signal transmission components for the elevator shaft control cabinet, perfectly matched to each other.

NEW

Comply to Standard DIN EN 81-20/50

Today, our products already satisfy the European Standard EN 81-20/50 for elevator construction and installation, applicable since 09/01/2017.

WIELAND ELECTRIC GMBH

Founded in 1910, this family company was a pioneer in electrical connection technology. Today, the internationally aligned family company, headquartered in Bamberg, Germany, is market leader in the area of pluggable installation technology. International representatives offer on-site product expertise, service and consultation in over 70 countries around the world. Innovative product and industry solutions and a high level of service are why we are successful worldwide. Our strict quality orientation ensures the highest reliability and long service life of our products in the field. Over 2,200 engaged persons worldwide enable this success.

Plug & Play

Lighting and Connection Components
for the Shaft and Car: Overview

In Use for:

+ Passenger elevators

+ Freight elevators

+ Service lifts

+ Escalators
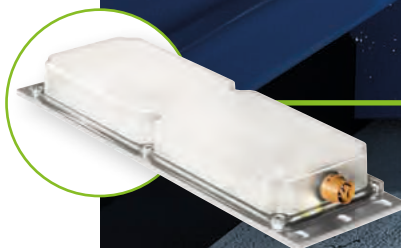
Signal Distribution

Preassembled distribution box
with terminal strips for quick
installation

Shaft Lighting

podis ® LED Lights
Pluggable light,
without maintenance

We support and advise you about shaft and emergency lighting, cabling and elevator safety throughout the entire equipment life cycle. With our products, we offer reliable components of the highest quality that can make a decisive contribution to efficiency and safe elevator operation.

Safety Sensors
Safety monitoring for systems

Emergency Lighting for the Shaft and Car

podis®led Emergency Light
The reliable light without maintenance
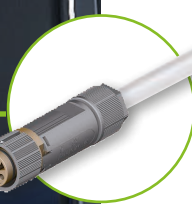
Device Connection
RST® MINI
The mechanical, color-coded device connection for a secure connection

Power Supply and Distribution
RST® CLASSIC
Pluggable distributors with the highest degree of IP protection; the all-purpose solution for fast connection
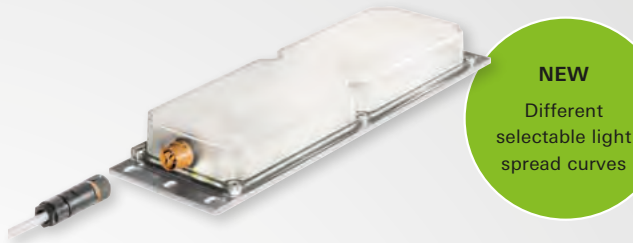
Shaft Lighting

Pluggable + No Maintenance + Energy Savings

1 *podis*® LED Pluggable Shaft Lighting

Plan your shaft illumination with our pluggable *podis*® LED system lights. With our *RST*® pluggable connectors, they are assembled without requirment for any tools. This results in a safe, faultless and quicker installation time.

- Energy-saving LED technology
- Robust design, protection class IP68 / IP69
- No maintenance & especially long life
- Operating temperature −40 to 55 °C
- Efficient light source at 2000 lumens

NEW

Different selectable light spread curves

2 *podis*® LED Emergency Lighting

Easy to install, no maintenance; this is how the emergency light supports safety in elevators during, e.g., power failures, while complying with Standard DIN EN 81-20 and EN 81-20 5.4.10.4.

- Energy-saving LED technology
- Small, compact and robust housing
- Ready-to-connect with wire
- Low power consumption
- 360 lumens

podis® LED brochure
LED lights for applications in industrial environments
Order No. 0832.1

3 *RST*® Pluggable Connector for Fast Connection

The *RST*® Series of factory-assembled components facilitate continuous pluggable connection from the distributor to each demand point in the light shaft. The installation time is significantly cut and installation errors are avoided. This offers safety and saves costs.

- Contact-proof and re-connectable
- Clearly laid-out wiring
- Robust design, protection class IP68 / IP69
- Mechanically and color-coded
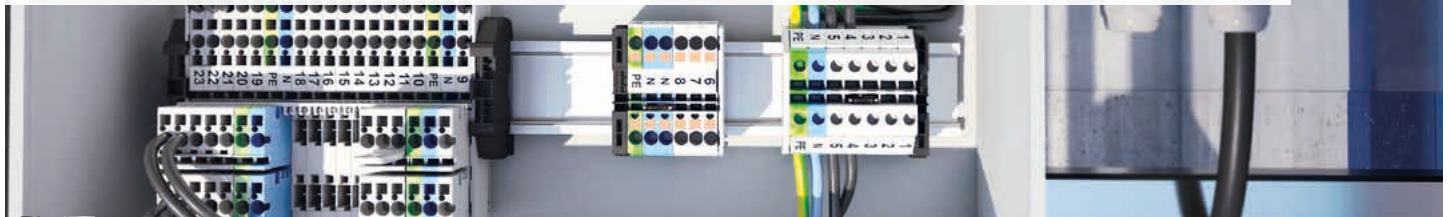- Integrated locking and strain relief

RST® Catalog
Pluggable electrical installation in the highest protection class (IP6X)
**Order No. 0690.1**
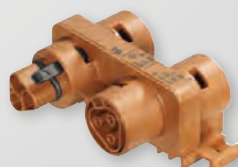
Individual Distribution Boxes

Customized pluggable solutions

Our distribution boxes are constructed modularly and can be delivered customized to fit your specific requirements. Either with preassembled wires, terminal strips, assembled and wired distribution boxes, or with special hardware solutions for your system technology.

We offer you customer-specific cable assemblies and sets with a wide range of components that we put together to suit your requirments.
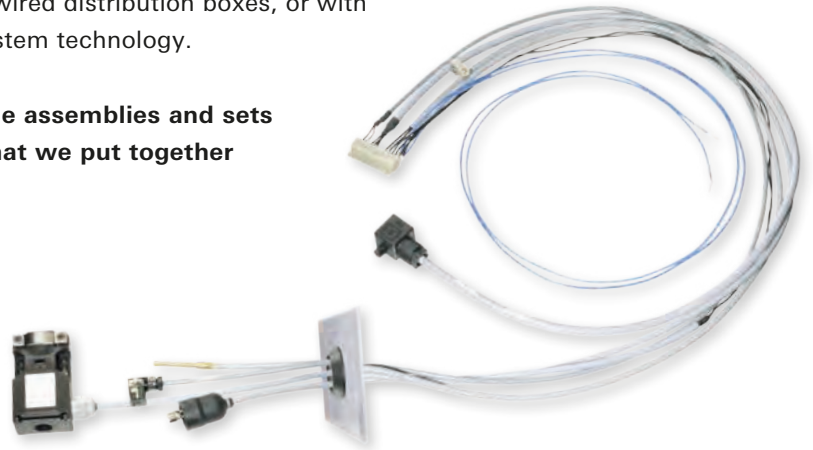
fasis/*selos* DIN-rail Terminal Blocks
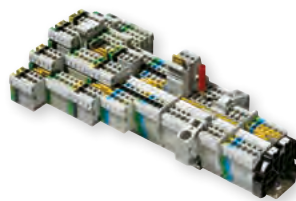
Logistical Effort and Time for Installation

selos/*fasis* Catalog
DIN-rail terminal blocks with screw, tension spring and push-in connection technology
Order No. 0500.1

fasis WTP DIN-rail terminal blocks with push-in connection – terminate wires easily, directly and without tools

fasis WKFN DIN-rail terminal blocks with tension spring technology – easy to handle, vibration-proof and no-maintenance

selos DIN-rail terminal blocks with screw connection – secure connection, proven concept, solid and functional, known worldwide and in use millions of times over

Sensors

Discrete safety devices

Position Switches

Position switches with safe contacts.
Diverse applications in elevator construction.
Used wherever safety or positioning play
a central role.

- No tools required to turn or exchange the actuation device
- Actuation device made of metal
- Highest contact security: 1 mA at 24 VDC
- Protection classes IP66 and IP67

SMA Coded Magnetic Switches

The SMA Series magnetic switches are widely
used in elevator construction to create zones or
delay points.

- Rectangular design
- Manipulation-proof
- Up to PL e / category 4 (EN ISO 13849-1)
- Protection class IP67

STS Non-Contact Safety Switches

STS safety switches with coding are used for
monitoring the arrival of the elevator car when
it reaches the floors. The STS Series has an
integrated evaluation function and a built-in
manipulation safeguarding.

- Automatic or manual start
- Up to PL e / category 4 (EN 13849-1)
- Up to 30 sensors can be cascaded
- Protection classes IP67 and IP69

safety Catalog

Safe System Solutions for
Automation Technology

Order No. 0860.1

Safe Monitoring

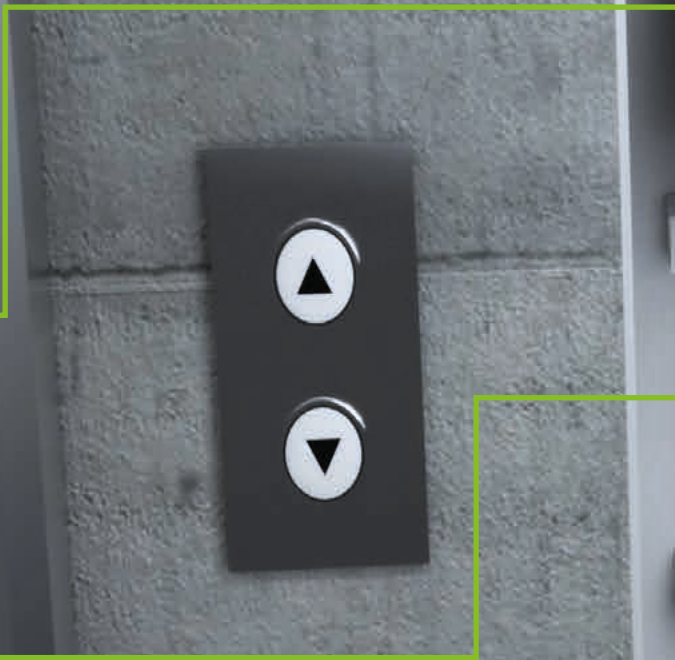System components for the lift control cabinet

In Use for:

+ Passenger elevators

+ Freight elevators

+ Service lifts

+ Escalators

Industrialized Power Supply
wipos
Robust, proven power supply
technology. Redundancy module
for uninterruptible power supply

wiecon
Printed circuit board terminals
are standard components
in innumerable applications

Safety Control

samos ® PRO COMPACT
Safety control with the highest performance capacity in the smallest space
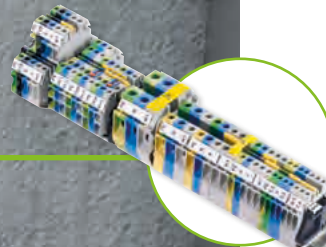
Safety Relays

safe RELAY
Zone monitoring of the elevator car or service shaft; door monitoring or UCM.

Connected Easily and Safely

wienet Wireless LAN Access Point
Simple communication for modern information systems in elevators
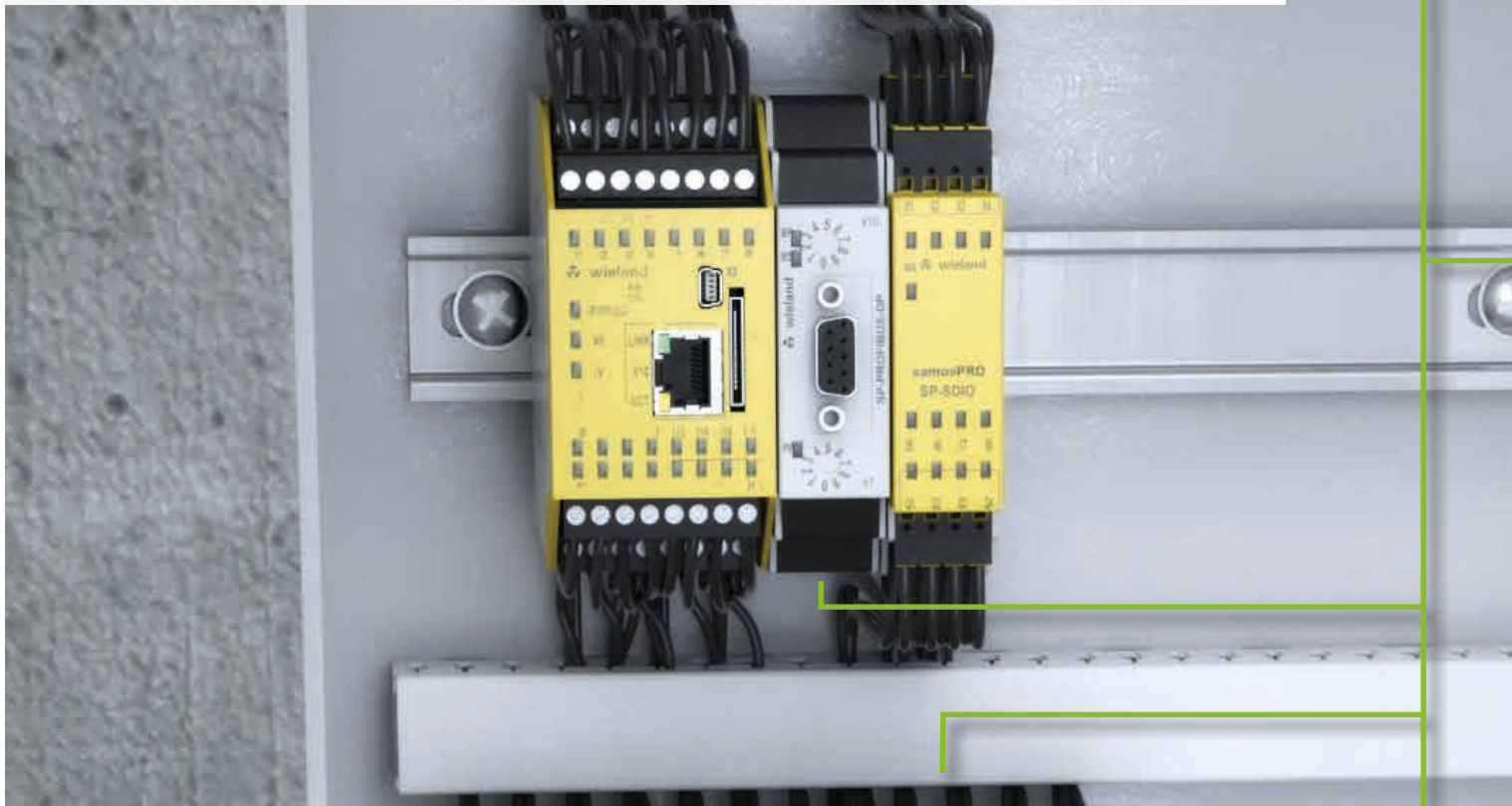
Connection Technology

DIN-rail terminal blocks in compact design and different connection technologies

Safety Components

New build & retrofit of Elevator Systems

Proven Wieland safety solutions fulfill the elevator industry requirements and are certified in accordance with EN 81-20/50 and EN ISO 13849, EN 62061 / EN 61508.

1 Safe Monitoring

Many safety functions can be realized with our safety relays and programmable controls.

- Position monitoring for an elevator car in elevator systems
- Car door monitoring provided by closing position and locking
- Unintended Car Movement (UCM)
- Reduced car speed
- Service Operating Modes
- Emergency top/bottom end position monitoring

2 Communication Interface

The integrated Ethernet communication system supports fieldbus interfaces, such as PROFINET, Ethernet/IP and Modbus TCP. Even further, CANopen, Profibus and Ethercat can also be realized with ease.

- Fieldbus protocol CANopen, Transfer rate up to 1 MBit/s
- Fieldbus protocol PROFIBUS-DP, Transfer rate 12 MBaud
- EtherCAT industrial Ethernet protocol
- Bidirectional communication with PLC
- Transfer of 50 bytes of data
- Simple configuration with **samos** ® PLAN 6

3 **samos** ® PLAN 6 Planning Tool

Easily programmable with license-free software tool. Thanks to the simulation function and extensive diagnostics, commissioning times can be significantly reduced. With the comprehensive library, the safety function modules can also be programmed to customer-specific elevator modules.

- Configurable project documentation at the click of a button
- Integrated simulation and logic analysis of safety functions
- Easy integration of fieldbus and Ethernet networks
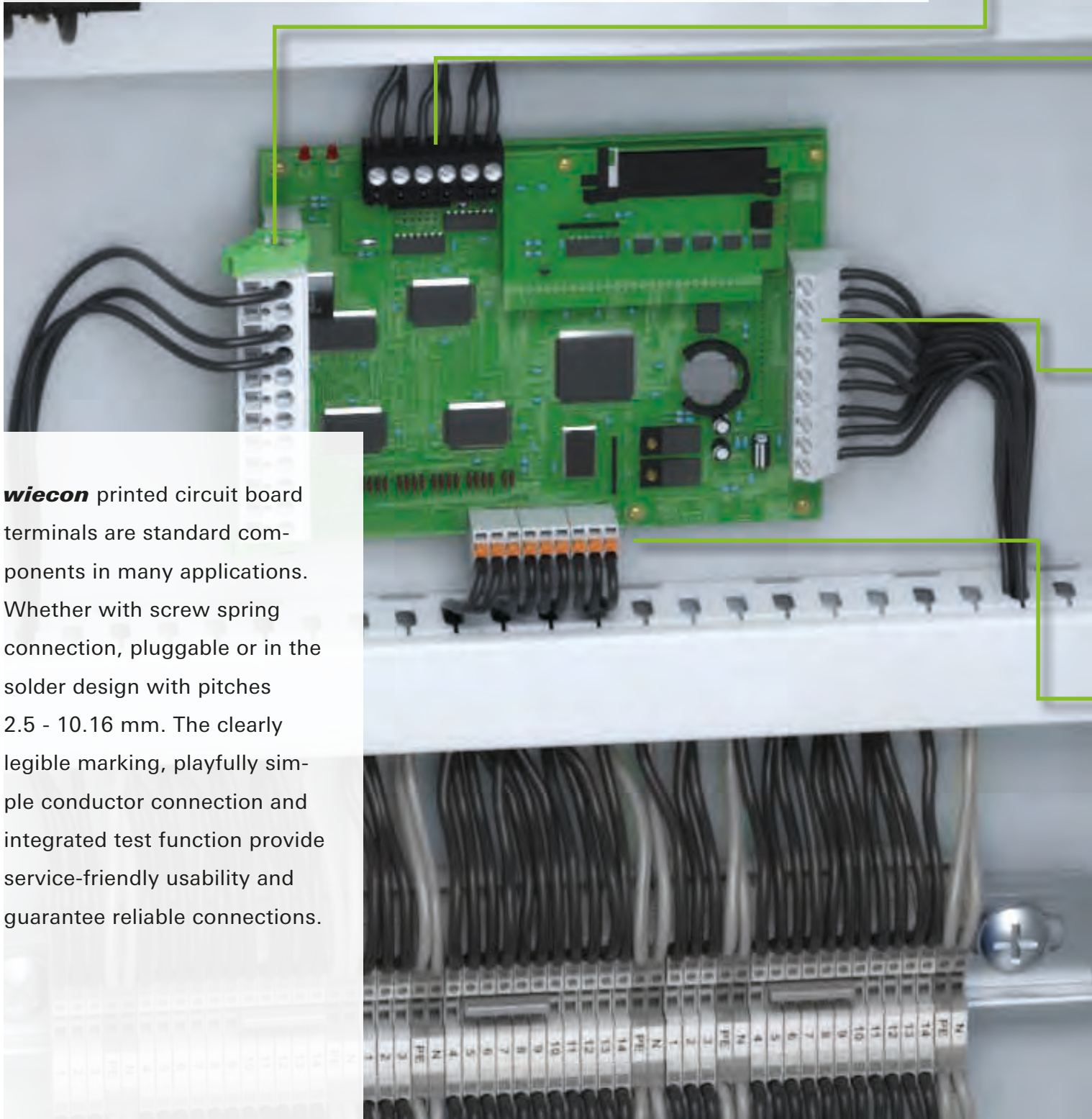- Online diagnosis and remote maintenance for increased transparency

safety Catalog
Safe System Solutions for
Automation Technology
Order No. 0860.1

PCB Terminals

For Power, Data and Signal Transmission to
Main Elevator Controls and Switching Devices

wiecon printed circuit board terminals are standard components in many applications. Whether with screw spring connection, pluggable or in the solder design with pitches 2.5 - 10.16 mm. The clearly legible marking, playfully simple conductor connection and integrated test function provide service-friendly usability and guarantee reliable connections.

1 *wiecon* 8213 BFK
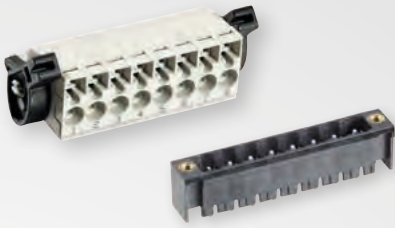
With innovative locking lever for vibration-proof connection.

- Latch and release locking, screw flange and clip-on flange
- Pin headers for reflow process
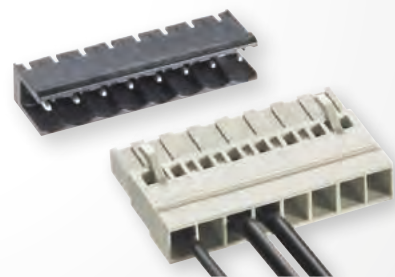- Individually printable

2 *wiecon* 8142 ZP

Pin headers with no housing.

- For wave or reflow soldering on tin or silver surfaces
- The most affordable type of pluggable connection
- Codeable

3 *wiecon* 8113

Space-saving, secure pluggable printed circuit board terminals.

- Optimized for the largest cross section with the smallest space demands
- Crimp connection for fast, accurate pre-wiring at the manufacturer's

4 *wiecon* 8562 N

Directly pluggable printed circuit board terminals with a design that facilitates space-saving placement.

- 45° conductor exit enables terminal after terminal to be placed in several rows
- Pushbutton also visible with connected conductor

wiecon Catalog
Overview of Printed Circuit Board
Terminals and Pluggable Connectors
Order No. 0580.1

Signal Transmission

Power and Network the Elevator Controls
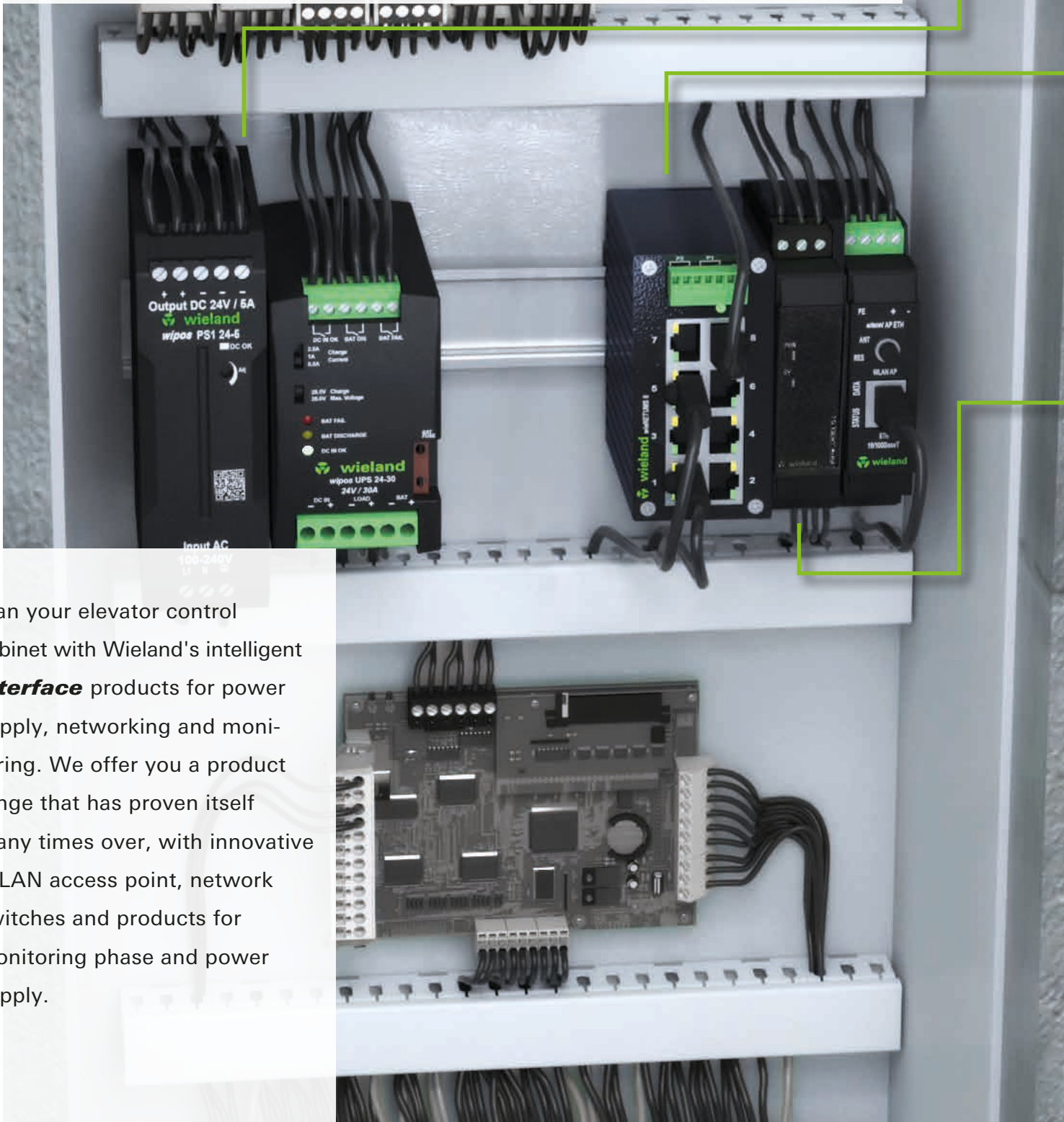
Plan your elevator control cabinet with Wieland's intelligent *interface* products for power supply, networking and monitoring. We offer you a product range that has proven itself many times over, with innovative WLAN access point, network switches and products for monitoring phase and power supply.

1 wipos

Power supplies from single- and 3-phase devices for the DIN-rail mounting and virtually every application possibility.

- 120 % power boost for 10 s
- Compensate power failures with an adjustable output voltage
- 100 % capacity up to 60 °C
- Full performance in 2-phase operation

2 wienet

Network switches, WLAN access points and VPN routers for networking in the era of Industry 4.0.

- Complete diagnostic display through diverse LEDs
- Redundant power supply
- DIN-rail mounting or screw attachment
- Light Managed variants (QoS, Jumbo Frame)

3 flare

The Wieland phase monitoring relay immediately recognizes power failures, for protection when mains quality is inadequate.

- Recognizes incorrect phase sequence
- Closed-circuit principle
- Installation width 22.5 mm
- Two 5 A change-over contacts

4 Simple Communication for Information Systems

The demand for information within building complexes and the ability to access and receive data is rising steadily. Our Wieland *interface* components can be used to enable easy, efficient communication for information systems in modern elevator cars.

- WLAN access point in industrial design
- Ethernet 10/100BaseT
- Operating voltage 24 V DC
- 35 mm DIN-rail mounting per EN 60715

interface Catalog
Solutions for the
Control Cabinet
Order No. 0800.1

Your Assembled Terminal Strip with

wieplan CLICK*2*BUY

With the intelligent *wieplan* CLICK*2*BUY online tool, project planning and development – particularly pricing and ordering terminal strips – has never been easier. Thanks to the simple, intuitive tool , individual terminal strips are quickly configured. *wieplan* CLICK*2*BUY immediately determines the terminal strip price and enables one-click ordering. The terminal strips are assembled and delivered within just five workdays, starting at one piece.

Project Develop-ment in the CAE System
➔ Interface to *wieplan*

Product Selection in *wieplan*
➔ Easy, intuitive operation

Documentation
➔ Complete documentation including 3D data

Immediate Price Determination
➔ Online ordering service

Express Delivery Service
➔ In a maximum 5 workdays

www.wieplan.com

Just in Time

Your Wieland delivery pledge:
Ordered in 2 minutes, delivered in 5 days.

EASY
TO
HANDLE

Technical Consultation

and General Information

Use the Wieland Hotline – A Single Call is All It Takes

Industrial Automation Electromachanics

Hotline **+49 951 9324-991**

Email **AT.TS@wieland-electric.com**

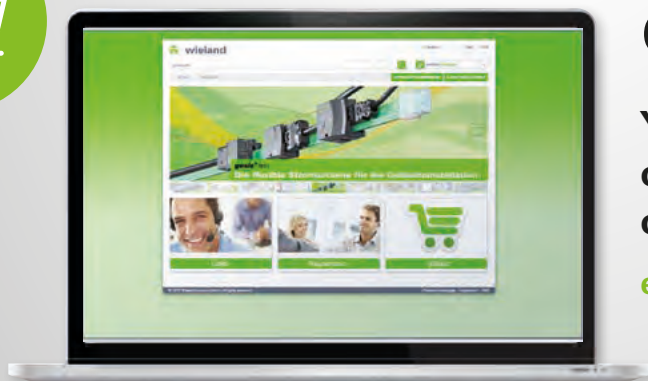### Building and Information Technology

Hotline **+49 951 9324-996**

Email **BIT.TS@wieland-electric.com**

Industrial Automation Electronics

Hotline **+49 951 9324-995**

Email **AT.TS@wieland-electric.com**

Safety Technology

Hotline **+49 951 9324-999**

Email **safety@wieland-electric.com**

eShop

You will also find our products in our Online Shop, at:

eshop.wieland-electric.com

Infos & News

General Information and News:

www.wieland-electric.com

wieland

USA & CANADA
Wieland Electric Inc.
North American Headquarters
2889 Brighton Road
Oakville, Ontario L6H 6C9
Phone   +1 905 829-8414
Fax   +1 905 829-8413
www.wielandinc.com
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.co.uk

ITALY
Wieland Electric S.r.l.
Via Edison, 209
I-20019 Settimo Milanese
Phone   +39 02 48 916357
Fax   +39 02 48 920685
info.italy@wieland-electric.com
www.wieland-electric.it

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 30320717
info.france@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

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

BELGIUM & GD LUXEMBOURG
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

SWEDEN
Wieland Electric AB
Krossverksgatan 9B
216 16 Limhamn
Phone   +46 40 652 90 00
sales.sweden@wieland-electric.com
www.wieland-electric.se

POLAND
Wieland Electric Sp. z o.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 2702-2704
International Soho City
889 Renmin Road,
Huangpu District
PRC- Shanghai 200010
Phone   +86 21 63555772
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

Sales Partner:
You can reach us worldwide in more than 70 countries.
Find the contact adress at: www.wieland-electric.com

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

contacts are green.