



Modular
electrical solutions
for retail fit-out



Retail shops of the future are digital ””

Computer-based advisory systems, promotional animations and Wi-Fi access across the shop are standard features at the POS. Digital services require an appropriate technical infrastructure. This is where we come in: Our pluggable electrical installations provide optimal solutions with long-term benefits. International companies in a wide range of industries have relied on Wieland Electric for many years. We trust you will find the arguments convincing.

Yours, Dr. Oliver Eitrich

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***gesis*[®] expedites your success**

Industrially prefabricated and 100 % tested

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Budget predictability

Especially in shopfitting, fast and accurate electric installation is crucial. Delays caused by faulty installations or unnecessarily long conversion phases result in unnecessary loss of time. With **gesis**[®], Wieland Electric presents a system solution that guarantees smooth and timely installation of electrical systems. The system offers maximum flexibility and modularity, and is suitable for use in individual shops as well as entire building complexes – across the globe.

Safe rollout

gesis[®] ensures predictable project processes and standardized quality in planning and execution.

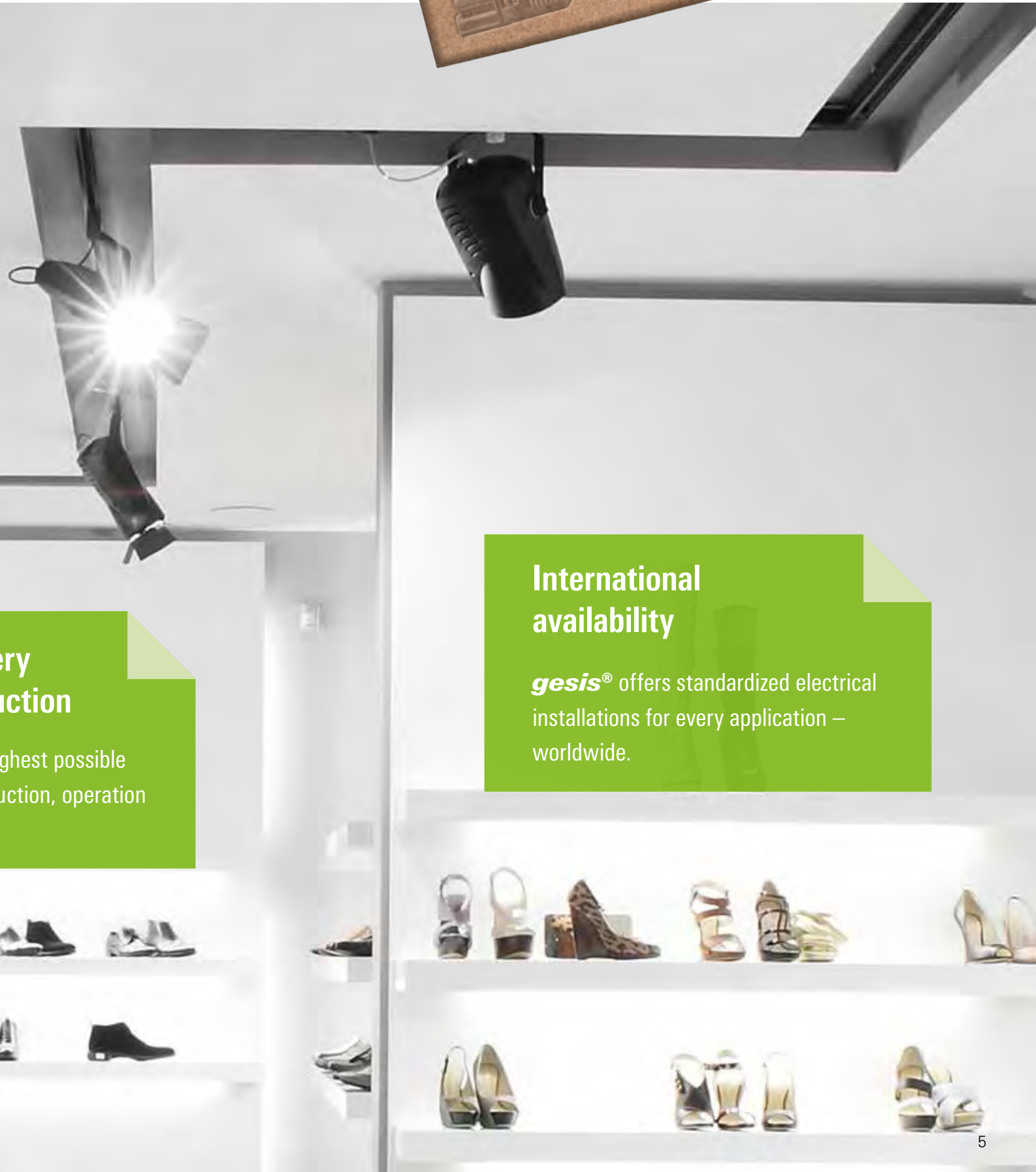
Flexibility in every stage of construction

gesis[®] guarantees high flexibility during construction and conversions.



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ction
ghest possible
uction, operation

**International
availability**
gesis[®] offers standardized electrical
installations for every application –
worldwide.



Industrially prefabricated and 100 % tested

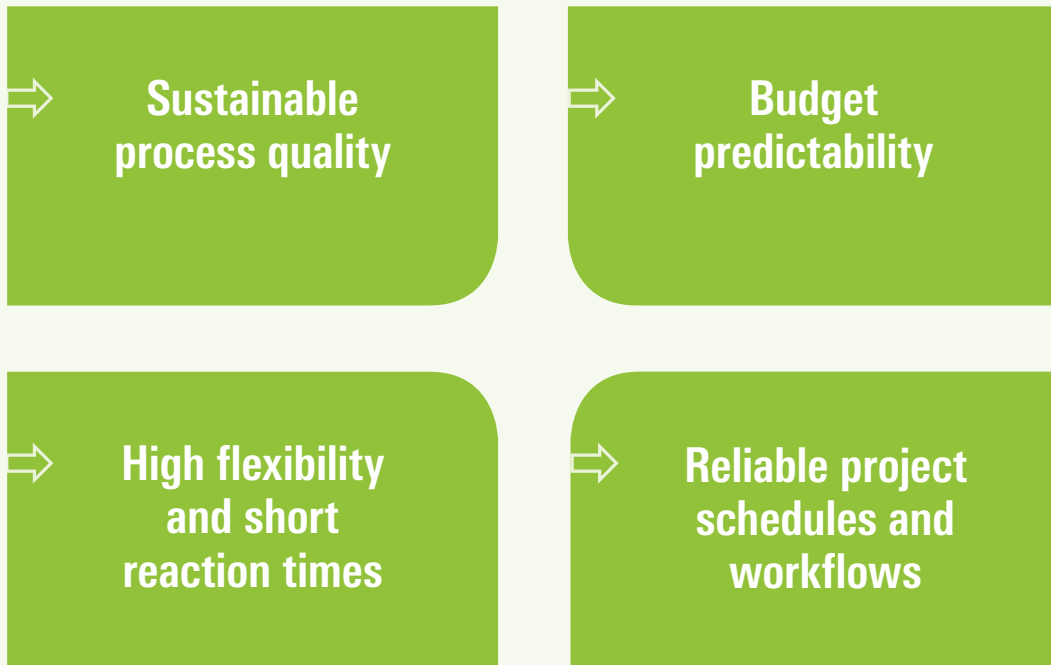
Benefit from our more than 100 years experience! Wieland Electric is the inventor of safe electrical connection technology and market leader in pluggable electrical installation systems for buildings and shops. The success of the system is based on:

» **Industrial prefabrication**

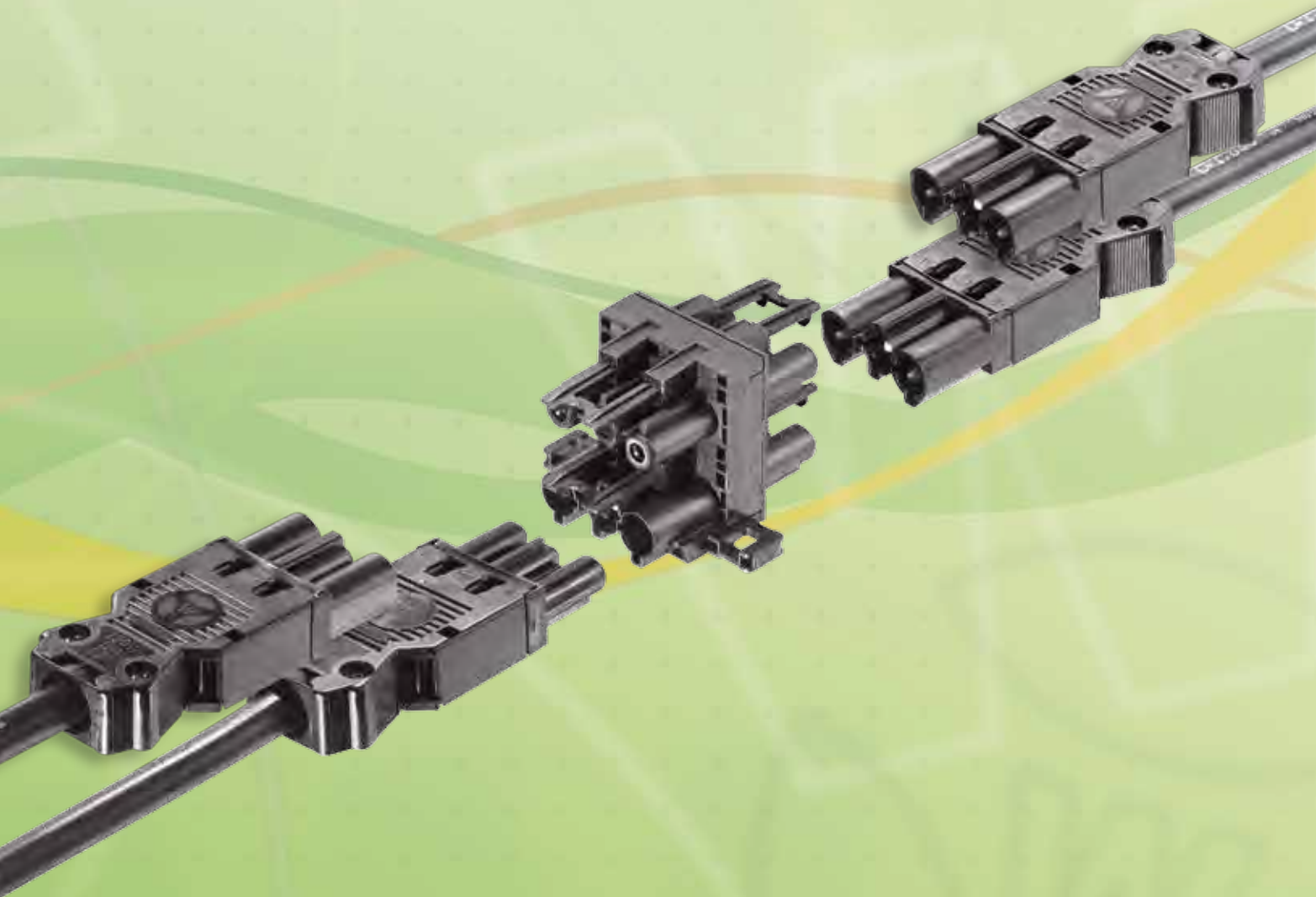
Industrially prefabricated and 100 % tested components guarantee consistently high product quality.

» **Final assembly on-site**

Prefabricated components are simply plugged together and secure short assembly times and high quality of execution.

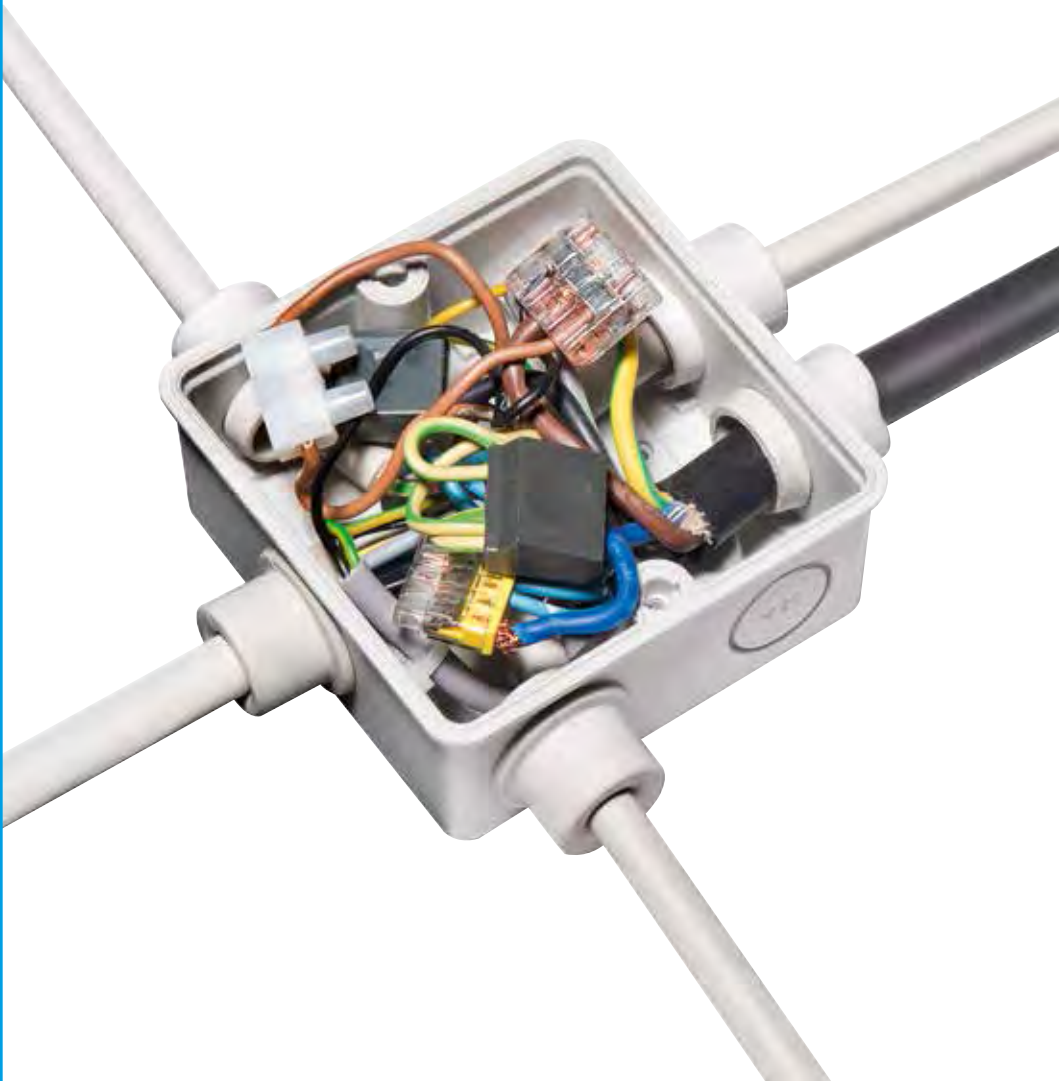


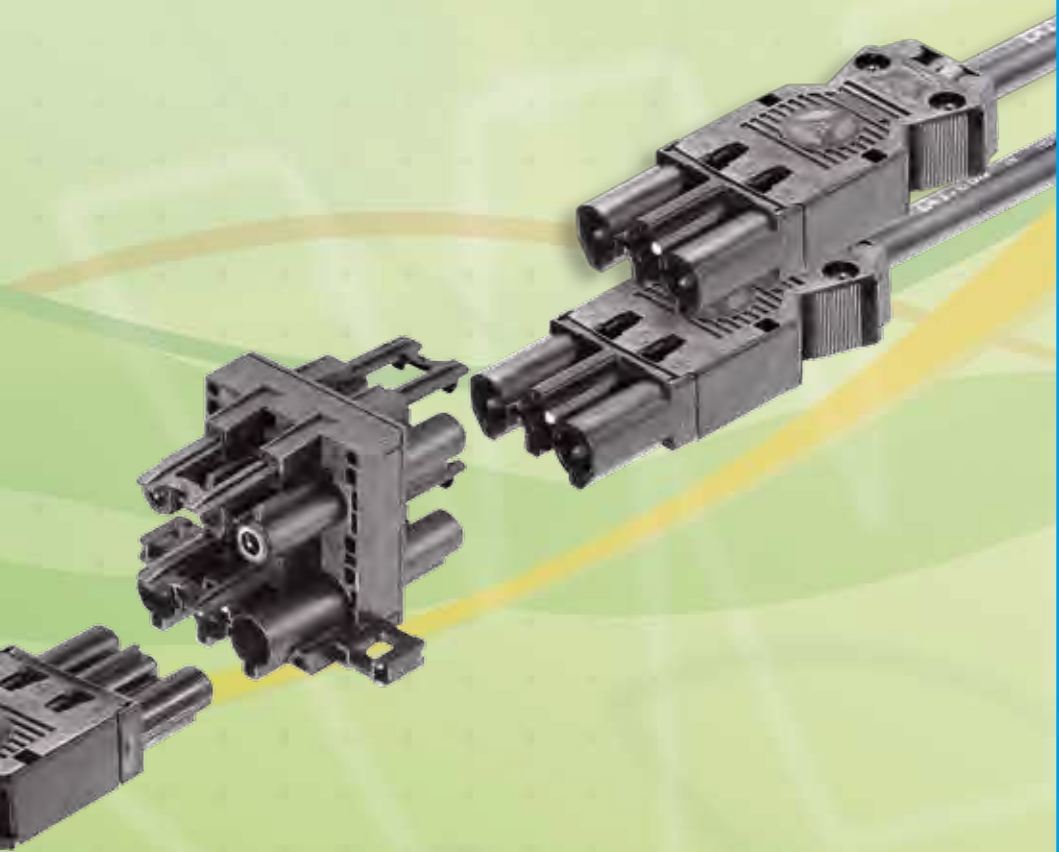
gesis[®] expedites
your success



... instead of elaborate wiring

Distribution boxes are associated with time-consuming and error-prone wiring of individual cables.





Easy plug-in ...

The cables are simply plugged into the distribution block.

Safety and modularity

Punctuality and predictable roll-out are crucial factors for shopfitting companies. Thanks to the industrial prefabrication and simple pluggability of **gesis**[®] components, a consistent, standardized quality of planning and design is ensured.

For every application

The modular **gesis**[®] system is geared to the client's individual needs and can be adapted and expanded at any time.

Deadline reliability and predictable rollout

Smooth and predictable project processes guarantee that deadlines and rollout schedules are met.

International applications

The components meet international standards and are available worldwide.



Maximum flexibility



Perfect connections

Narrow time windows and tight deadlines are commonplace for electricians on construction sites. Fast, safe, and above all error-free electrical installations are therefore essential. Maximum flexibility is required to adapt to any changes during construction or operation. The modular **gesis**[®] system meets all these requirements and impresses with easy handling.

▶▶ Quick

Simply plug together ⇨
short assembly times



Easy

Prefabricated ⇨
reliable execution quality



Error-free

Industrially tested,
mechanically coded ⇨
mismatching is prevented





Flexible

Just re-plug ⇨
for every use



International

Conformity with standards ⇨
safety in worldwide use

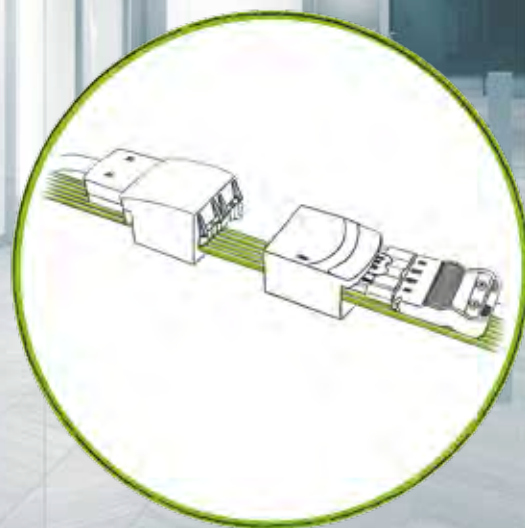
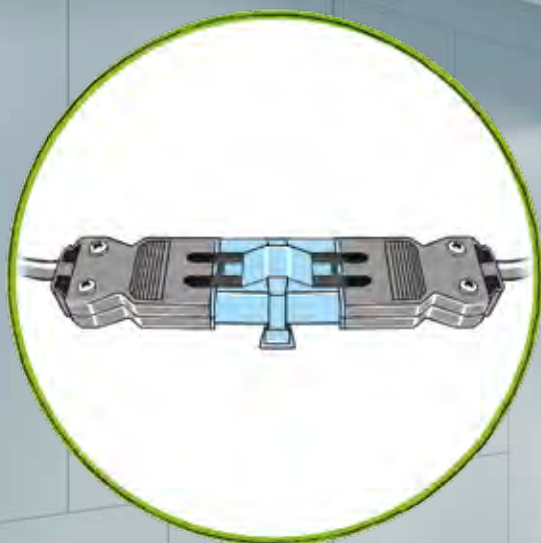


Modular

Standardized
interfaces ⇨
for all applications

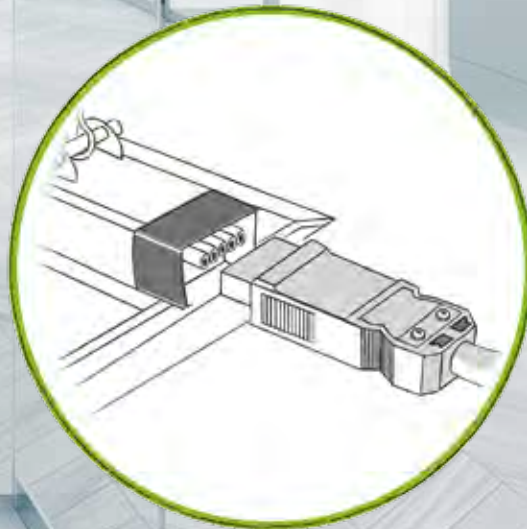
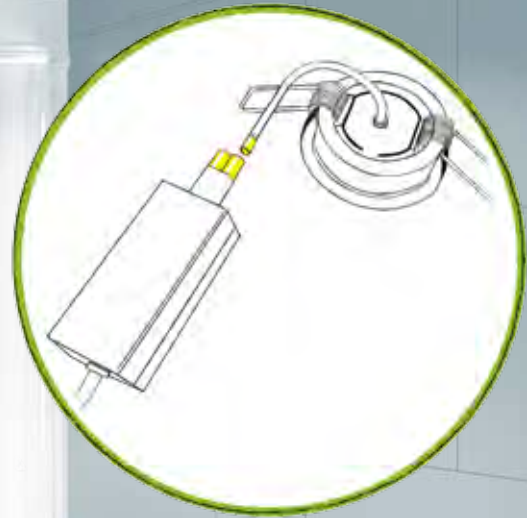
Consistent and versatile connections

With **gesis**[®], Wieland Electric offers comprehensive plug-in solutions optimized for each individual application: from building infrastructures up to luminaire installations. Our key priority is to deliver highly functional and future-proof components. This has been confirmed by an independent jury: The **gesis**[®] NRG flat cable has won several awards.



DESIGN PLUS
powered by: **light+building**





Power distribution and fuse protection

The **gesis**® NRG flat cable system enables decentralized power distribution with maximum flexibility and minimum space requirement. For infrastructure wiring, such as in large retail spaces, the flat cable with 10 mm² cross section can be used as a power bus.

» Flat cable feed-in

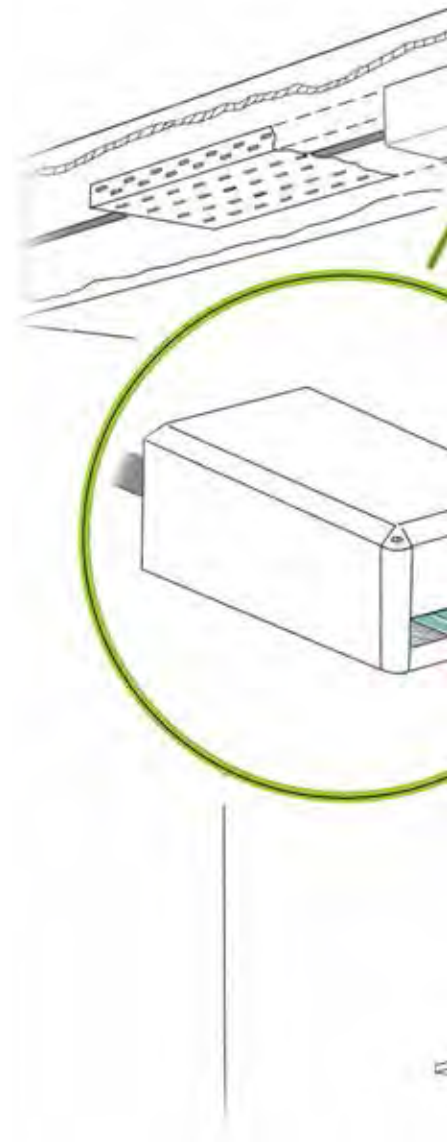
Power supply in flat cable systems are executed with round cables of up to 5 x 16 mm² cross section.

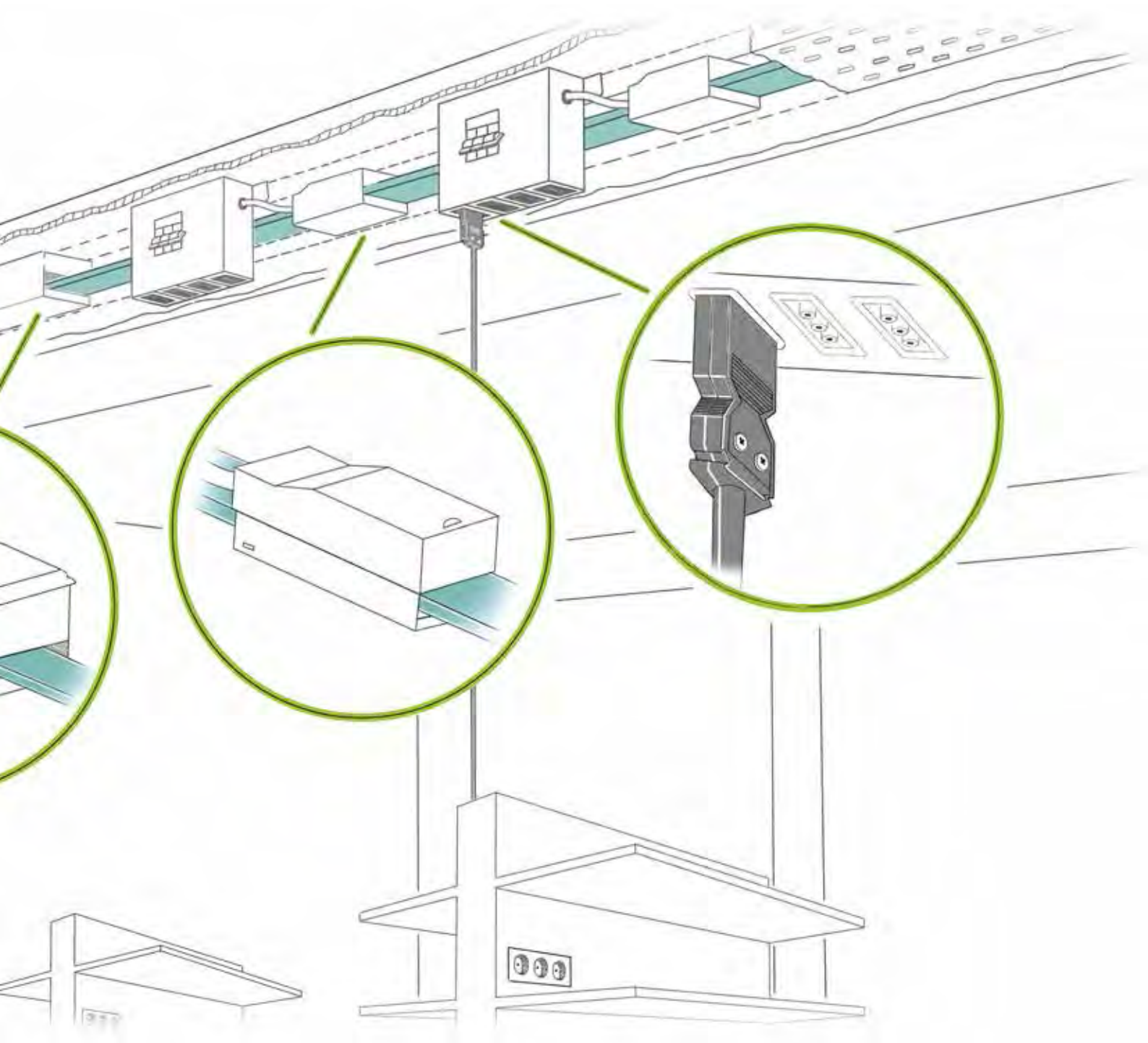
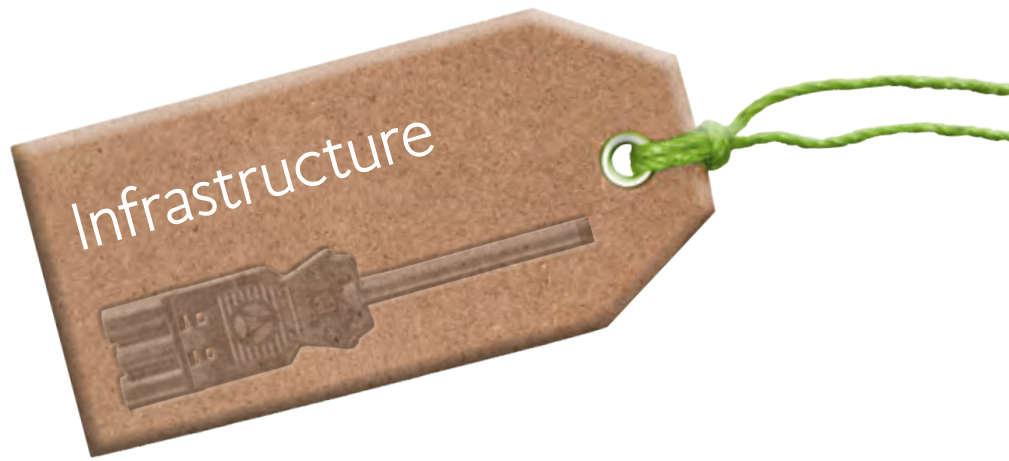
» Flat cable adapter

The adapters for power tap-offs may be placed at any point and can be installed without cutting and stripping thanks to insulation piercing contacts.

» Distribution boxes

Distribution boxes with circuit protection are used for decentralized power distribution. The individual circuits are also pluggable.





Power distribution and dimming

The **gesis**® NRG flat cable is used for power supply of the lighting. There are either 1- or 3-phase systems available with lighting control by means of dimming signals.

» Flat cable adapter

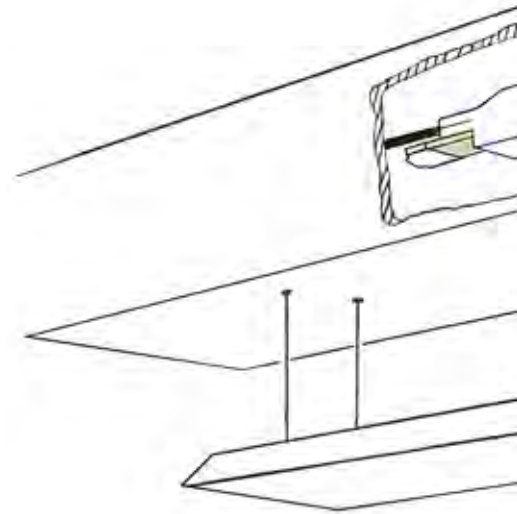
Power can be tapped off at any point of the flat cable. The phase is selected before contacting; subsequent changes can be made without displacing the tap-off point.

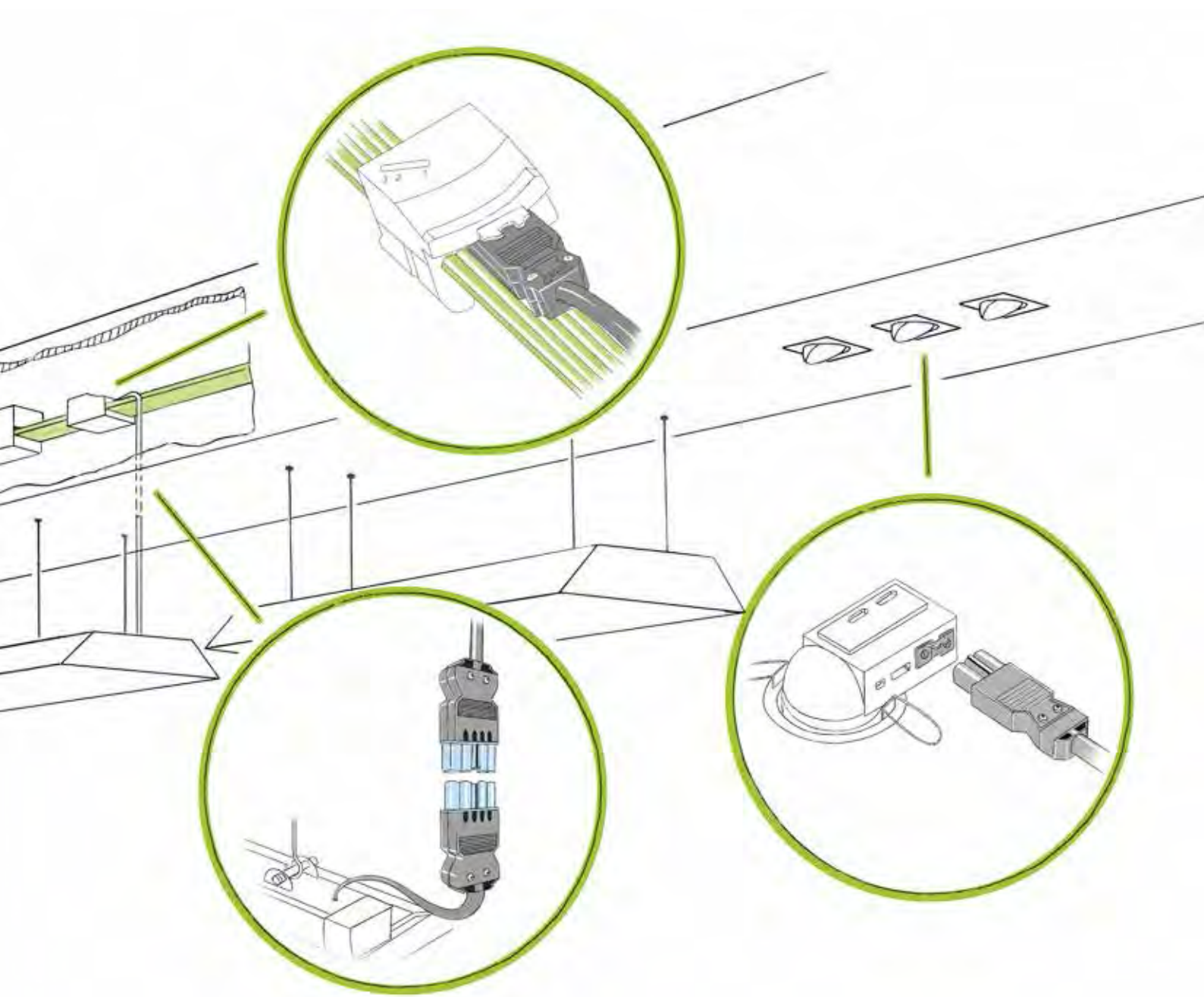
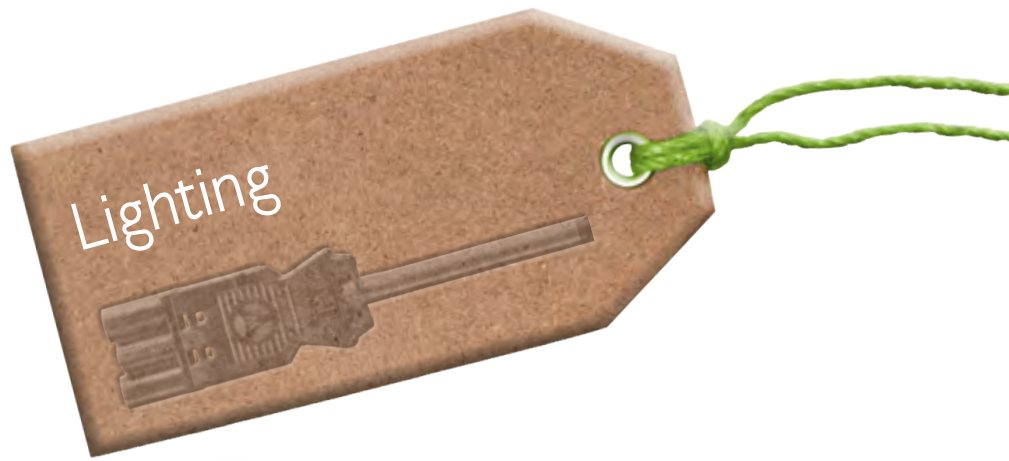
» Device connector

The installation system provides the appropriate ports for different types of luminaires: mismatching is prevented by colored markings and mechanical coding.

» Light connector

The luminaires can be powered directly from the flat cable by plugging-in. There is a pastel-blue connector system available for dimming applications.





Power distribution and control

Checkout systems are powered by the **gesis**® NRG system and project-specific distribution boxes with circuit protection. A structured network cabling with RJ45 is used for the exchange of information.

» Checkout distribution

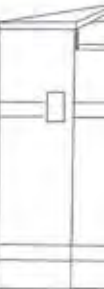
The distribution boxes secure the power distribution with fused **gesis**® outlets and, at the same time, connect IT systems with each other via RJ45.

» Device sockets

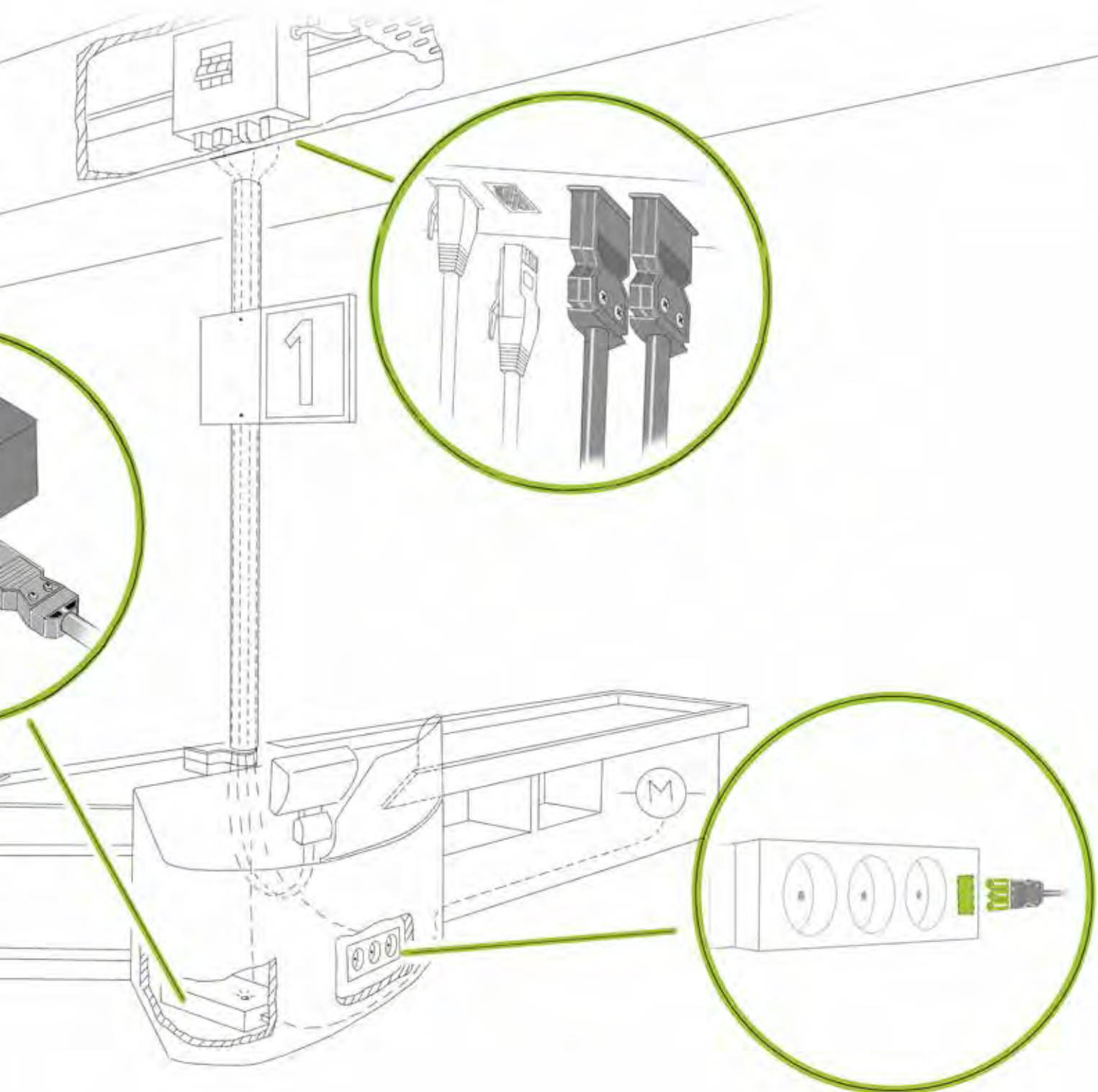
Socket outlets provide flexibility in supplying additional consumers, such as heaters.

» Checkout control

With project-specific distribution boxes, the controlling of cash desk components, such as motor control of checkout belts or display of the checkout activity, may be realized.



Checkout systems



Power distribution and lighting

Shelves are electrified directly through the infrastructure wiring or connections in the floor. The internal wiring of the shelf with socket systems or LED lights is directly pluggable.

» Shelf power feed-in

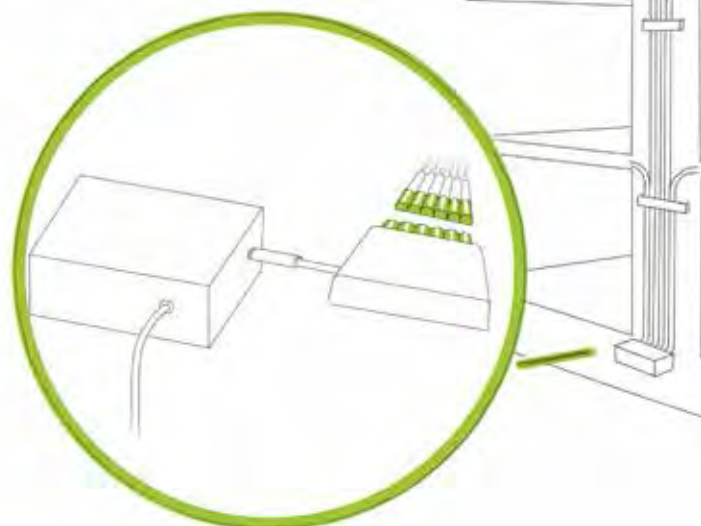
2- or 6-way distributors with prefabricated extension cables are suitable for the supply of shelf lighting, for example.

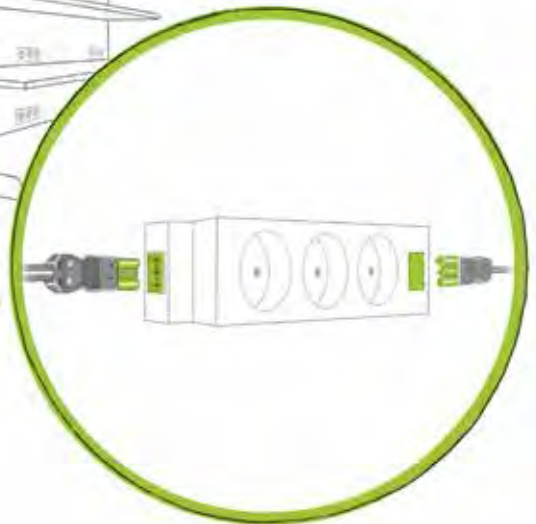
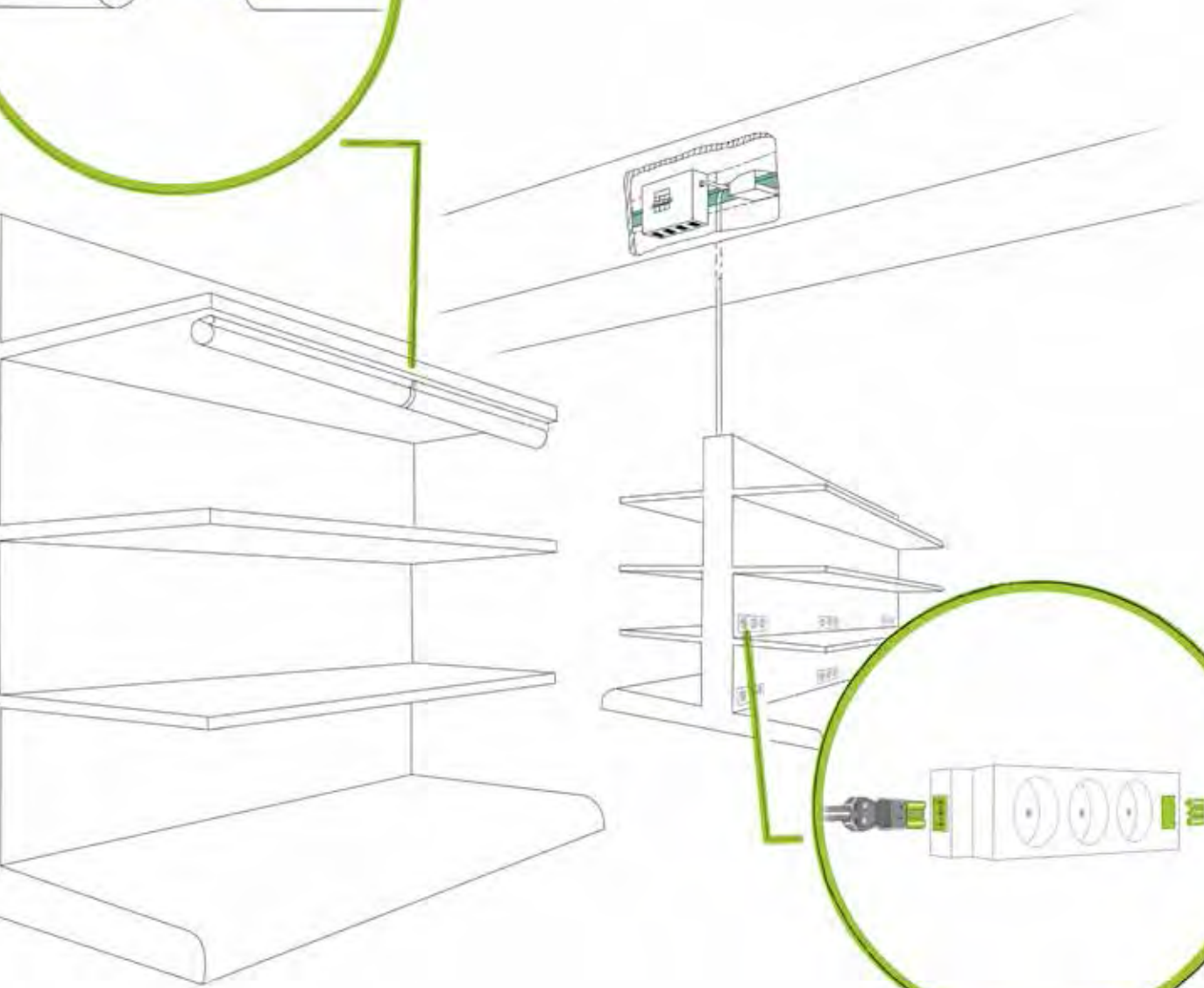
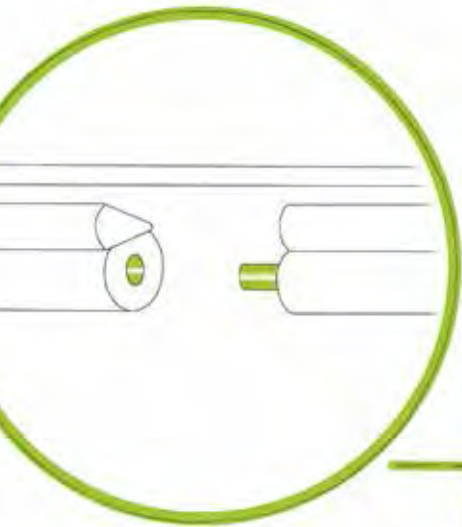
» Protective contact sockets

Protective contact sockets with **gesis**[®] connectors secure the supply of the consumers' power packs.

» Shelf lighting

Space-saving **gesis**[®] MICRO connectors supply LED lights.





Power distribution and switching

The point of sale is controlled locally and intelligently with battery-less radio technology. The energy distribution and control of the luminaires for example can be plugged in directly.

» Power feed-in

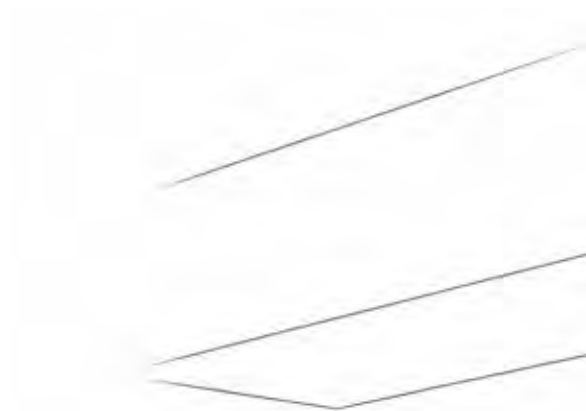
The power is tapped from the infrastructure wiring and fed to the consumer.

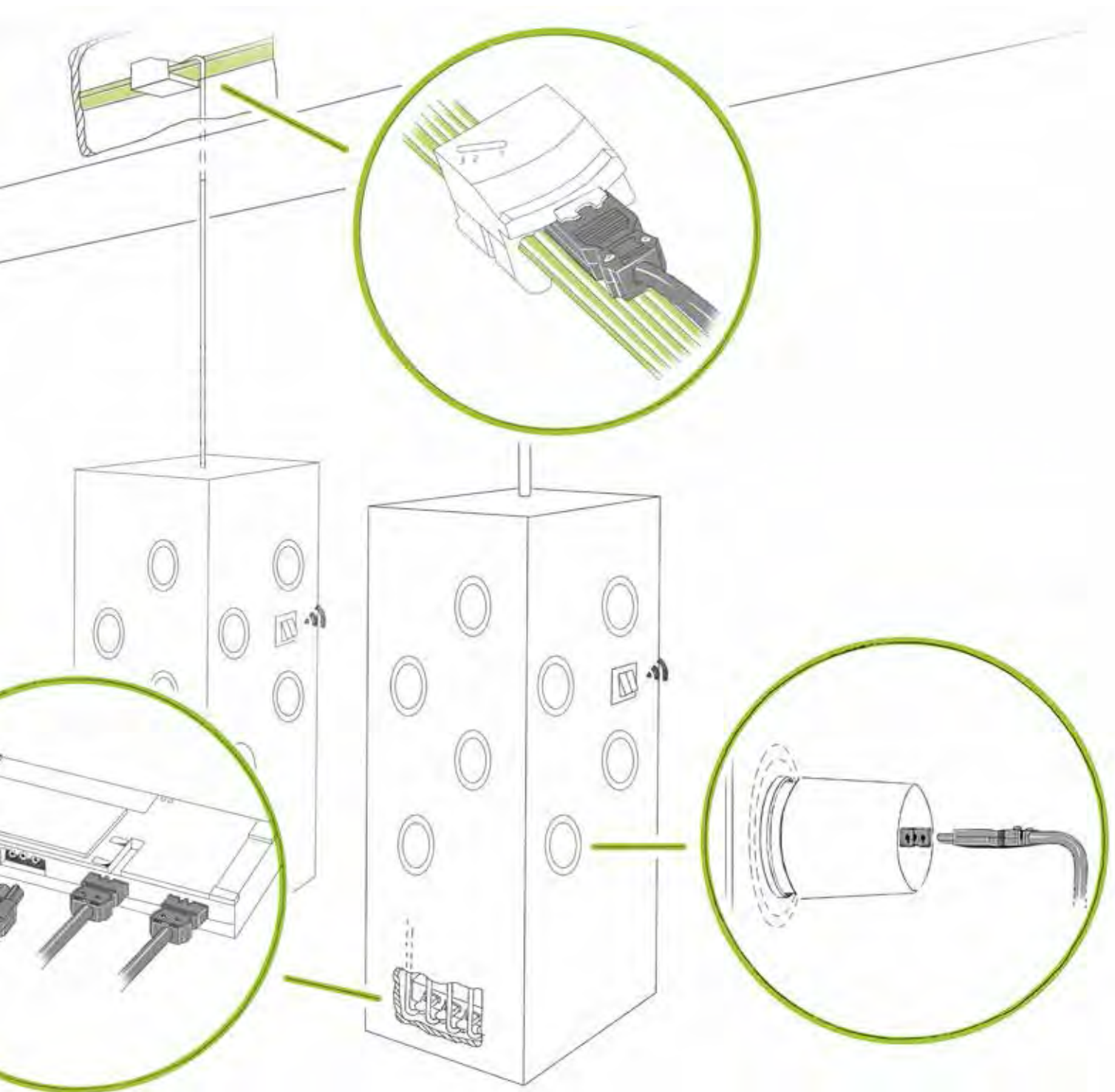
» Automation

The radio-controlled modules of the **gesis**[®] RC series serve as switching actuators. The switches can be positioned anywhere.

» Lighting control

The lamps are directly plugged with **gesis**[®] RC V and are switched via a radio controlled switch.





Service and support

With extensive services and support, Wieland Electric is available to its customers as a competent partner worldwide and assists in the conception, planning and implementation of all retail and shop projects.

»» from the idea to the
concept development

»» from the concept to
the execution plan
and quantity survey

»» from the lighting plan
to the wiring concept

»» needs-based logistics
(timely delivery,
express service)





General information

Technical consultation

- » Applications
- » Concepts
- » Products
- » Standards and admissions
- » Prices
- » Delivery times

Technical service for electrical installations in shops

- » Hotline: +49 951 9324 - 996
- » E-mail: retail@wieland-electric.com

Further information for the pluggable installation

gesis [®] (indoor)	Order-Nr. 0670.0
RST [®] (outdoor)	Order-Nr. 0690.0
gesis [®] ELECTRONIC	Order-Nr. 0700.0
Shopfitting	Order-Nr. 0417.0
Lighting	Order-Nr. 0407.0

Wieland products in general

- » Application and handling videos
www.youtube.com/WielandElectricDE
- » Information and news
www.wieland-electric.com
- » Visit our e-shop
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Our subsidiaries



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



CANADA
Wieland Electric Inc.
North America 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.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.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



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 & 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



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
 D-96052 Bamberg
 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 address at: www.wieland-electric.com

Wieland Electric, founded in Bamberg in 1910, is the inventor of the secure electrical connection technology. Today the family-owned company is one of the leading suppliers for safety and automation technology and is the global market leader in the field of pluggable electrical installations for building technology. The core industries of the company are machine building, wind power and building and lighting technology.

Building technology

The pluggable **gesis**[®] installation systems impress with simple, fast, error-free installation and maximum flexibility: from basic installations in ceilings and floors up to the electrical connection of office and laboratory furniture.

Lighting technology

The components of Wieland's extensive portfolio are tailored to the requirements of the lighting industry. **gesis**[®] plug & play interfaces on the lamp reduce installation costs up to 80 %. The robust **RST**[®] connector system is available for outdoor lighting.