wieland

LAST ORDER!
08/22/2025

gesis® ELECTRONIC

ROOM **AUTOMATION**

Decentralized room automation with PLUG & PLAY

Catalog 2023

HELLO
WIELAND ELECTRIC

Tradition and innovation - Wieland is representing the synergy of these two guiding principles for more than 100 years.

At Wieland Electric, we are proud to be the world market leader in electrical connections, and have been focusing on safe and innovative technologies since our founding. The beginnings of our success lie in the legendary Wieland Clamp, the first-ever safe electrical connector. Since then, innovation has pushed us to develop safer and more efficient ways to electrify the world.

Expanding from a component-only manufacturer, we are now one of the leading suppliers of innovative, future-oriented, and complete electrical solutions. We divide our focus into two main areas, Building and Industry. Our Building Solutions focus on decentralized power distribution and pluggable connections in all kinds of architectures and infrastructures. From in-store displays and lighting to hospitals and airports, and any structure in between – you build it, we power it! Our Industry Solutions center around functional safety for machines, industrial networking, and power distribution. At Wieland, we keep your productivity going in mechanical engineering, wind power, material handling, HVAC, and many other industries.

We are at our customers' side in every step of the project, right from the start. Our experts offer consulting, on-site services, and technical support. We see ourselves as service providers, trainers and subject-matter experts.

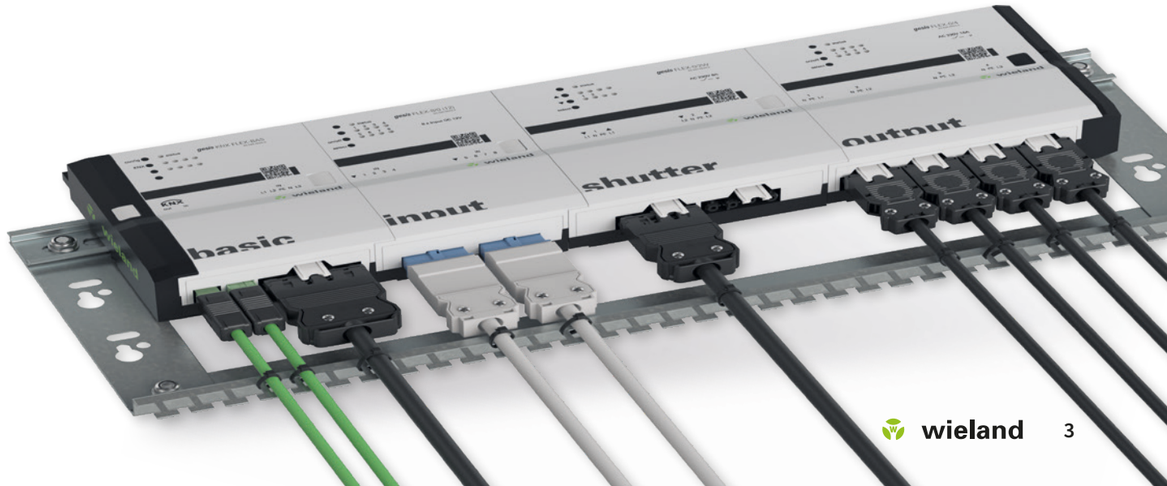
1910
Founded in Bamberg

1700+
Employees worldwide

3
Production sites

70+
Countries worldwide

CONTENTS



GESIS®
FLEXIBLE + **COST-EFFECTIVE ROOM AUTOMATION**

As an experienced and reliable partner, we can help you satisfy your building requirements with safety, efficiency, and pluggability. For over 40 years, we have been offering smart solutions with our connector systems for building and room automation, power supply and lighting installations.

When planning and implementing efficient buildings, important factors for the future operation must be taken into account, like economic efficiency and adaptability of the property. Our modular and very flexible gesis® system and the automation series gesis® FLEX enable versatile applications within buildings.

Since room lighting, air conditioning and blind control are regulated as it is needed, energy and operating costs are reduced significantly. Even extensions, room conversions and changes can be implemented easily and effortlessly.

THE SYSTEM FOR:

+ HOSPITALS
+ RETIREMENT AND NURSING HOMES
+ ADMINISTRATION BUILDINGS
+ HOTELS
+ SCHOOLS
+ FUNCTIONAL BUILDINGS

ECONOMICAL PLANNING CAPABILITY

The gesis® connector system ensures that schedules and project flows can be calculated and guarantees standardized quality in planning and execution.

SUSTAINABLE PROCESS QUALITY

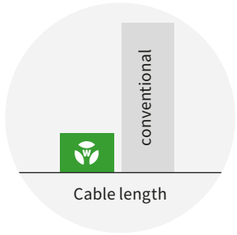
gesis® is the standardized interface for all building installation and automation jobs. The mechanical coding reliably prevents mismating.

QUICKER ASSEMBLY

Our pluggable components minimize assembly times thanks to well-conceived interface technology and diversified connection technologies with prefabricated cable sets.

COST REDUCTION THROUGH **DECENTRALIZED** INSTALLATION.

Cabling based on smart installation concepts creates clear installation structures. In combination with pluggability, this leads to a system that can be installed quickly and safely. Consistent three-phase cabling up to just before the consumer also reduces the voltage drop, which increases energy efficiency.



Cable lengths with Wieland: roughly 30% of conventional

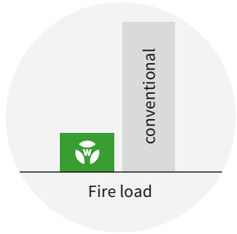
INSTALL SMARTLY – EXPLOIT POTENTIAL

With our gesis® installation system, we have revolutionized electrical installation. High-quality and durable components boast impressive 70% time and 30% cost savings! gesis® has been conceived in the style of a modular system: all the product groups complement each other and enable smart and cost-effective electrical installation, from distribution to the consumer.

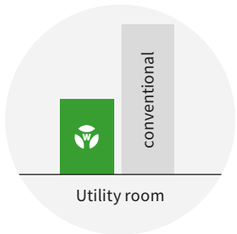
PLAN EFFICIENTLY + COST-EFFECTIVELY

Smart building automation can sustainably reduce the energy needs of a building. Our highly flexible system, which is founded on the basic idea of a bus-based system, offers a highly economical platform for your construction projects with its pluggable installation components. The initial investment in automation technology pays for itself in just a few years of operation. Any later changes of use throughout the life cycle of the building can be implemented easily.

Our decentralized and pluggable products demonstrate their full added value in terms of speed and lasting cost effectiveness especially with projects involving a large number of identical rooms.



Fire load therefore roughly 30%



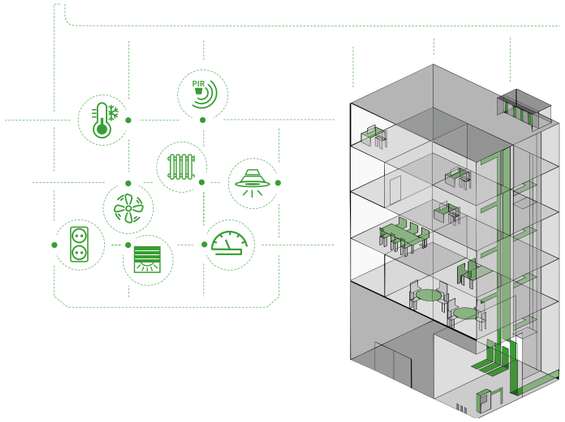
Utility room reduced to 50%!

gesis® connectors
safe + fast + flexible

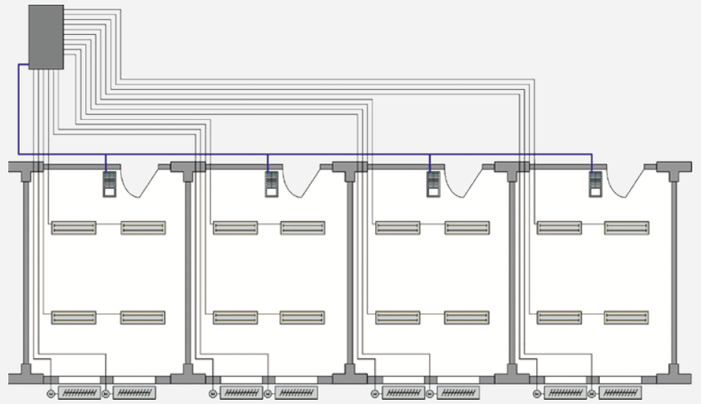
SYSTEM COMPARISON

ADVANTAGES OF DECENTRALIZED INSTALLATION

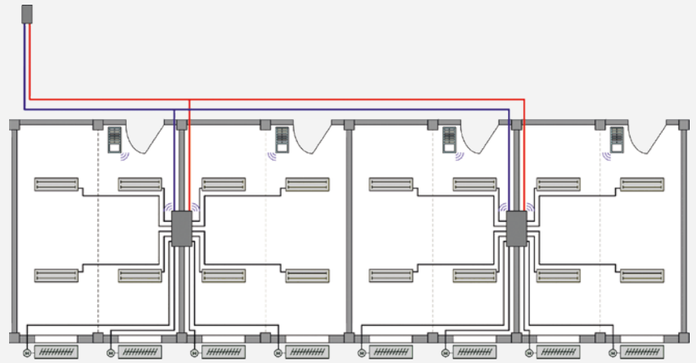
- Creates simple, future-proof structures
- Horizontal main supply as standard
- Vertical supply in strands from the distribution Only the protection devices (RCB/MCB) and the bus system devices remain in the main distribution unit
- Smaller utility rooms increase net floor area
- Loopthrough of energy and bus signals
- Room automation is placed directly in the room

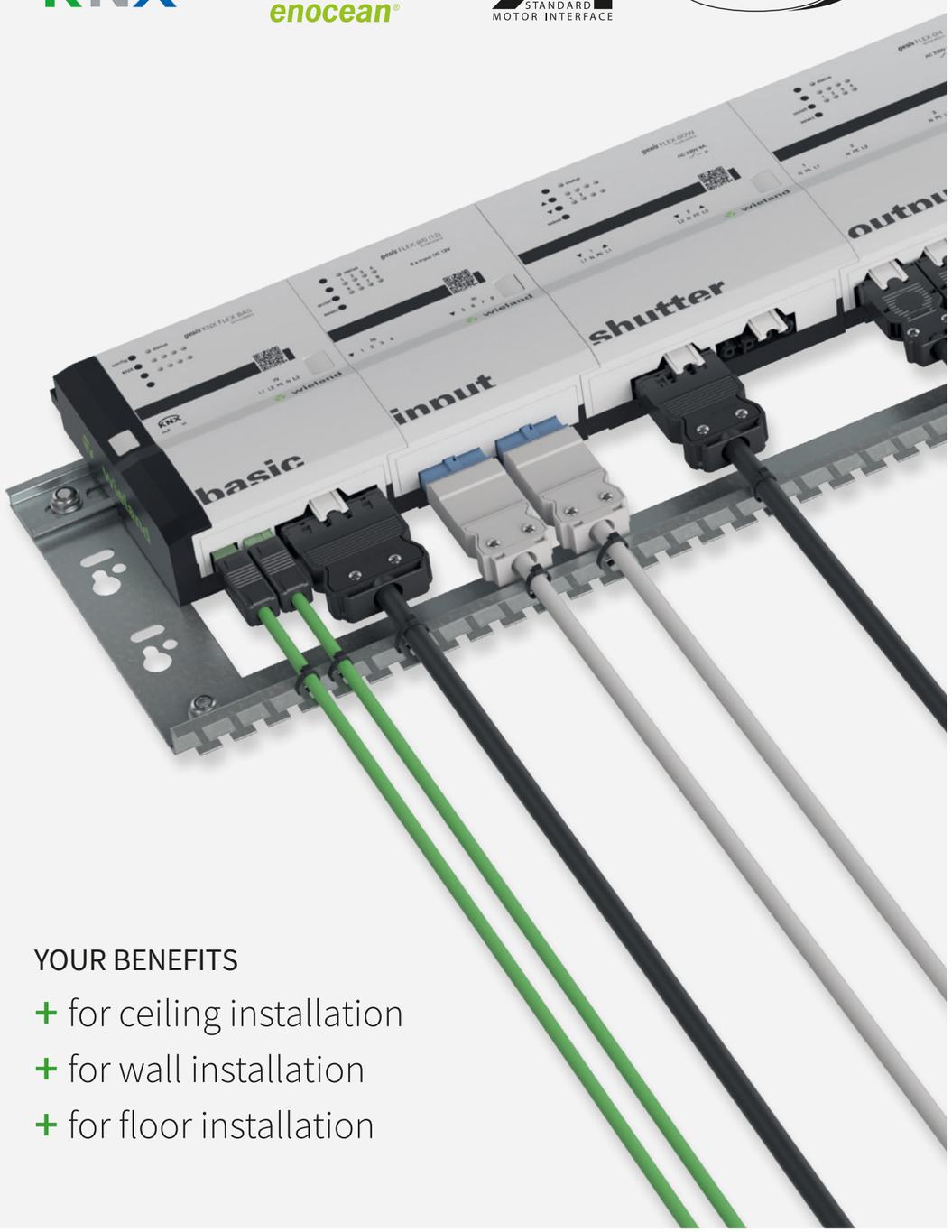


CONVENTIONAL **CENTRALIZED** INSTALLATION



DECENTRALIZED **SMART** INSTALLATION





YOUR BENEFITS

+ for ceiling installation
+ for wall installation
+ for floor installation

GESIS® FLEX
THE DESIGN MAKES ALL THE DIFFERENCE.

COMPACT

- Flat design
- Ideal for floor, wall, ceiling, cable duct
- Easy integration into new and renovated buildings

VERSATILE

- 15 different extension modules available
- EnOcean and SMI gateway
- Dali gateway and actuators

MODULAR

- Only required functions are installed
- Only one physical address
- 6 extension modules per base module, optional assignment

EASY TO ENGINEER

- Modular planning
- Standardized functions
- Standard modules – no project-specific products
- No wiring plans required

EASY TO INSTALL

- Optimum installation in false floors or on/under cable ducts
- All cables from one side
- Quick mounting accessories
- Plugging instead of wiring

EASILY COMMISSIONED

- Integrated manual operation
- Pre-function test without bus connection
- Exchange of extension modules does not require re-programming

PLUGGABLE

- 100 % pluggable modular system
- Pluggable input/output cables
- Quick and error-free installation

DECENTRALIZED

- Significantly reduced cable lengths
- Functionality during bus failure
- Smaller sub-distribution / utility rooms

FUTURE-PROOF

- Standardized bus systems
- Easily extendable due to pluggability
- Rail-mounted devices can be integrated

APPLICATION

FUNCTIONAL BUILDING

USAGE AREA

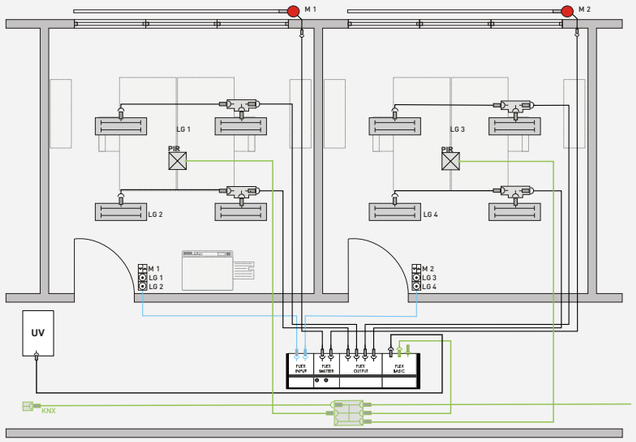
Compact, modular, and pluggable electrical installation and room automation for offices, laboratory and testing facilities, canteens.

SOLUTIONS

- Decentralized, modular room automation with gesis® FLEX
- Daylight-dependent lighting control
- Local and centralized sunshade control
- Installation solutions for floor, wall, ceiling

ADVANTAGES

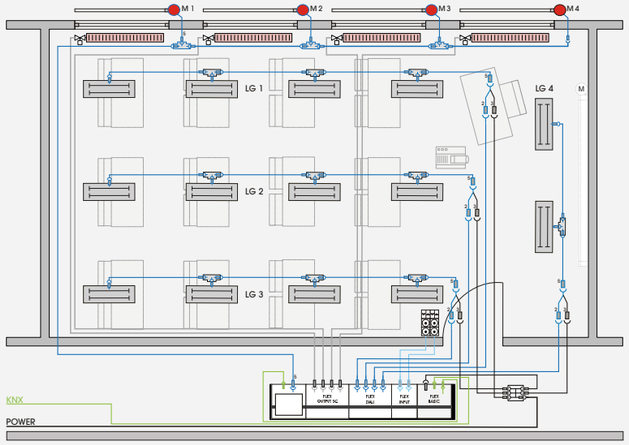
- Clear and neatly arranged room functions
- Fast, easy planning and installation
- Very flat design for mounting in low installation spaces
- Simple adjustments for change of use
- Flexibility secures long-term value of the property



OFFICE ROOM AUTOMATION

- Need-oriented lighting control
- Sunblind control with local fuse
- Integration of conventional buttons

KNX



ROOM AUTOMATION OF CLASS ROOMS

- DALI lighting control
- SMI Sunshade control
- Semiconductor output for heating valve control
- Integration of conventional buttons

DALI 2

SMI STANDARD MOTOR INTERFACE

KNX

APPLICATION

EDUCATION / CONFERENCE

USAGE AREA

Compact, modular, and pluggable electrical installation and room automation for classrooms, staff rooms and administrative offices, sports halls and gyms, break rooms and common rooms.

SOLUTIONS

- Decentralized, modular room automation with gesis® FLEX
- Presence monitoring for lighting control and energy optimization
- Room temperature control
- Sunshade control

ADVANTAGES

- Fast, easy planning and installation
- Sustainable reduction in energy consumption
- Decentralized room automation, ideal for renovation
- Easy to engineer
- High functionality for building automation

APPLICATION

MEDICAL / CARE SECTOR

USAGE AREA

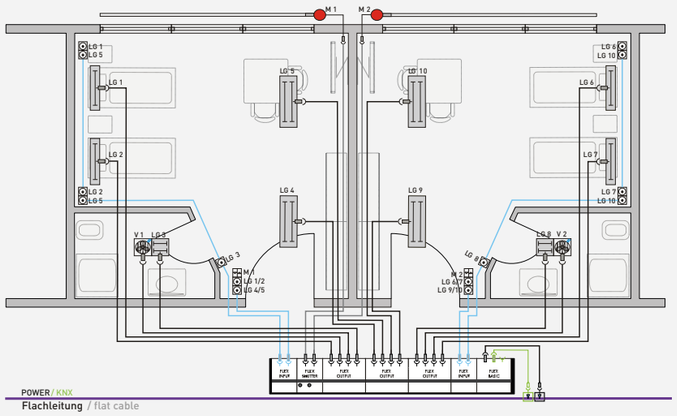
Compact, modular, and pluggable electrical installation and room automation for patient rooms, administrative areas, examination rooms, kitchens, common rooms as well as outpatient / care areas.

SOLUTIONS

- Decentralized, modular room automation with gesis® FLEX
- Color-coded and mechanically coded connector systems
- Pre-assembled, waste-free electrical installation
- Occupancy-dependent room temperature control
- Sunshade control

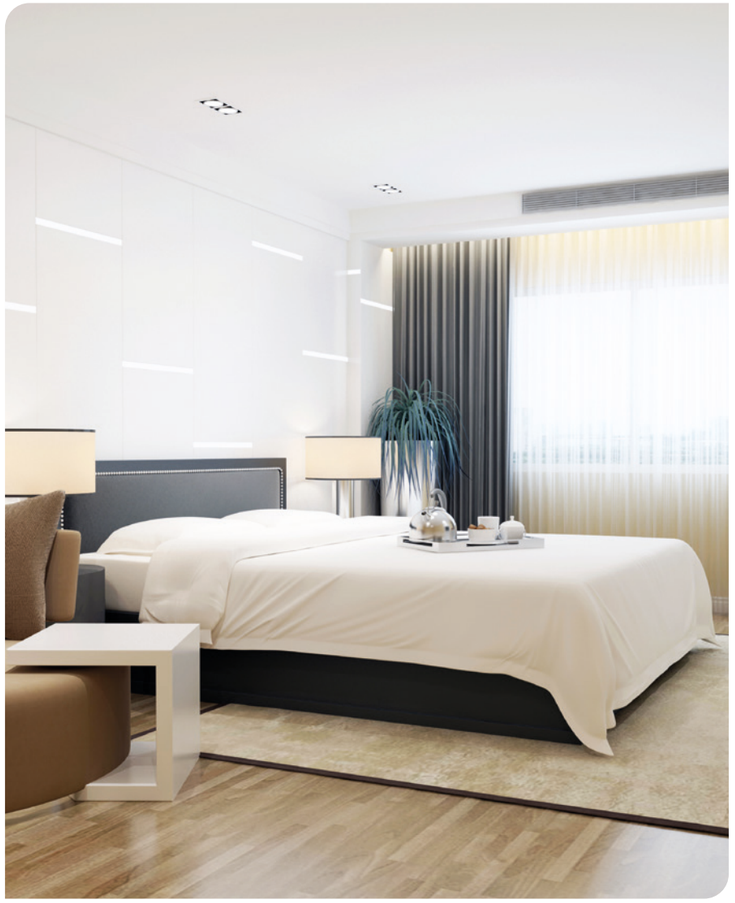
ADVANTAGES

- Safe, clean, and clear installation
- High availability of room automation
- Standardized room installation (patient rooms)
- Easy renovation due to decentralized room automation
- Automation functions can be easily implemented



ROOM AUTOMATION OF PATIENT ROOMS

- Light control
- Ventilation control (for wet areas)
- Shading control with local fuse
- Integration of conventional buttons



APPLICATION

HOTELS

USAGE AREA

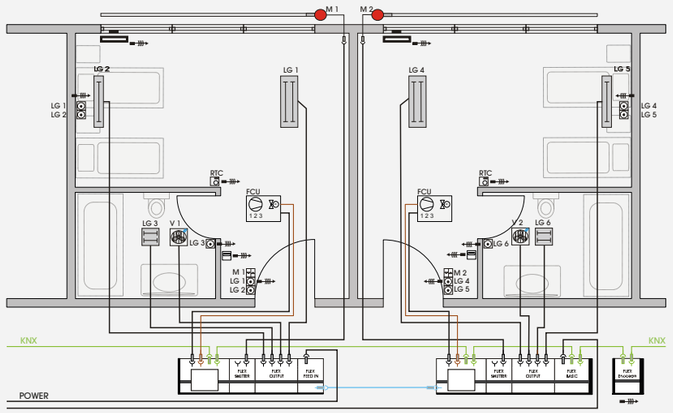
Compact, modular, and pluggable electrical installation and room automation for hotel rooms, operational areas (kitchen, restaurant), administrative areas, conference rooms, event areas, foyers.

SOLUTIONS

- Decentralized, modular room automation with gesis® FLEX
- Pre-assembled, waste-free electrical installation
- Convenient lighting control
- Need-oriented room temperature control
- Battery-free radio technology with EnOcean

ADVANTAGES

- Convenient room automation provides for a pleasant atmosphere
- Efficient installation thanks to standardized spaces
- Simple implementation of trends due to room-based solution
- Clean, room-by-room renovation without business interruption
- Reliable window position monitoring using radio technology



ROOM AUTOMATION OF HOTEL ROOMS

- DALI lighting control
- SMI Sunshade control
- Semiconductor output for heating valve control
- Integration of conventional buttons

GESIS® FLEX BASE MODULES

Feeds 1-phase or 3-phase

1-PHASE

Feeds with 1-phase mains connection are used if the connected power is low. The through-wiring within a gesis® FLEX arrangement is always designed as 3-phase. Single-phase feed modules bridge the three live conductors. The connected extension modules are thereby connected to an outer conductor, e.g. switching output 4-fold output 1 – 4 on the connected outer conductor.

3-PHASE

The base modules and intermediate feeds are designed for 3-phase 230/400 V connection. This is necessary for connecting high loads to the extension modules. If various feeds should be used, this can be achieved via an intermediate feed. The outputs of the extension modules are hardwired to the fed outer conductors, e.g. switching output 4-fold output A1 – L1; A2 – L2; A3 – L3; A4 – L3.

Without or with plug set

WITHOUT PLUG SET

The gesis® FLEX series offers pluggable electrical connections throughout. The corresponding plugs come from different gesis® product lines depending on their use. If a pluggable electrical installation is planned for the entire building project and therefore industrially prefabricated gesis® cables are used, the model without accompanying connectors is recommended.

WITH PLUG SET

If the devices are operated in single applications or a universally pluggable electrical installation is not planned, then choose the model with a plug set. You will receive the devices including all the connectors required for connection. These have a screw or spring clamp connection and are suitable for all common cable types.

GESIS® FLEX · BASE MODULES

KNX base modules
3-phase feed

The 3-phase supplied KNX base module with flat surface mounted housing, which can be fitted on DIN rails for decentralized installation, supports 6 extension modules. They support all the common inputs and outputs, and they provide extensive room automation with only one physical address. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** KNX FLEX-BAS	83.020.0600.0
including mating connector	**gesis®** KNX FLEX-BAS Z	83.020.0600.1
■ 1x female, GST18i5 coding black, mains feed 5-pole		92.953.4053.1
■ 1x female, BST14i2 coding green, bus feed 2-pole		93.421.0553.1
■ Male, KNX forwarding BST14i2 coding green (not part of 83.020.0600.1)		93.422.0553.1

TECHNICAL DATA	
Feed	
Mains	230/ 400 V; 16 A
Bus	KNX TP1
Outputs	
Mains and internal bus	to next module
Bus	KNX TP1
Dimensions	
Length	117 mm, with left cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without mounting rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

KNX base modules
1-phase feed

The 1-phase supplied KNX base module with flat surface mounted housing, which can be fitted on DIN rails for decentralized installation, supports 6 extension modules. They support all the common inputs and outputs, and they provide extensive room automation with only one physical address. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** KNX FLEX-BAS SP	83.020.0601.0
including mating connector	**gesis®** KNX FLEX-BAS SP Z	83.020.0601.1
■ 1x female, GST18i3 coding black, mains feed 3-pole		92.931.3053.1
■ 1x female, BST14i2 coding green, bus feed 2-pole		93.421.0553.1
■ Male, KNX forwarding BST14i2 coding green (not part of 83.020.0601.1)		93.422.0553.1

TECHNICAL DATA	
Feed	
Mains	230 V; 16 A
Bus	KNX TP1
Outputs	
Mains and internal bus	to next module
Bus	KNX TP1
Dimensions	
Length	117 mm, with left cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without mounting rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Intermediate feeds
1- and 3-phase

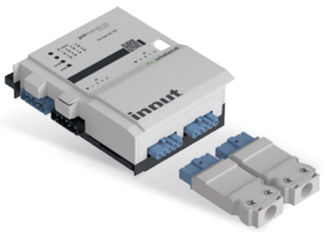
The intermediate feed with flat surface mounted housing, which can be fitted on DIN rails for decentralized installation, allows a mains supply separate from the base module within a modular system. This means that the output loads can be split over different fuse circuits. It can be integrated in the system as often as required. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
3-phase model		
without mating connector	**gesis®** FLEX-MS	83.020.0610.0
including mating connector	**gesis®** FLEX-MS Z	83.020.0610.1
■ 1x female, GST18i5 coding black, mains feed 5-pole		92.953.4053.1
1-phase model		
without mating connector	**gesis®** FLEX-MS SP	83.020.0611.0
including mating connector	**gesis®** FLEX-MS SP Z	83.020.0611.1
■ 1x female, GST18i3 coding black, mains feed 3-pole		92.931.3053.1

TECHNICAL DATA	
Feed	
Mains	
3-phase model	230/400 V; 16 A
1-phase model	230 V; 16 A
Bus	from upstream module
Outputs	
Mains and bus connection	to next module
Dimensions	
Length	95 mm linked, 105 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Binary inputs
8-fold



The 8-fold 12 VDC (SELV) binary input for connecting potential-free contacts in the flat surface-mounted housing, which can be mounted on DIN rails for decentralized installation, is managed by the base module. It receives its mains and bus supply from the upstream module. The extensive parameter set enables various automation functions. The manual mode level enables function tests without prior system integration. The electrical connections, which can be connected in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** FLEX-8/0 (12)	83.020.0622.0
including mating connector	**gesis®** FLEX-8/0 (12)	83.020.0622.1
■ 3x male, GST 15i5 coding light blue, binary inputs		91.952.4353.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
Inputs	8 (2x4), non-isolated 12 V SELV
Dimensions	
Length	95 mm linked, 105 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Sunblind output
2-fold AC, with and without fusing

The 2-fold sunblind output 230 AC/8 A in the flat surface-mounted housing, which can be fitted on DIN rails for decentralized installation, is managed by the base module. It receives its mains supply and bus supply from the upstream module. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
Standard, without mating connector	**gesis®** FLEX-0/2W	83.020.0624.0
with fuse, without mating connector	**gesis®** FLEX-0/2W F	83.020.0634.0
Standard, including mating connector	**gesis®** FLEX-0/2W Z	83.020.0624.1
with fuse, including mating connector	**gesis®** FLEX-0/2W F Z	83.020.0634.1
■ 2x male, GST18i4 coding black, sunblind output		92.944.3053.1

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
Sunblind outputs	2; separated controllable
Standard	230 V AC; 8 A
with fuse	230 V; 3.15 AT for each output; miniature fuse 5x20 mm
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Sunblind output
2-fold DC, with and without fuse

The 2-fold sunblind output 24 V DC; 3 A, with flat surface mounted housing which can be fitted on in DIN rail for decentralized installation, is managed by the base module. It receives mains and bus supply from the upstream module. The 24 V DC supply is fed from externally. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
Standard, without mating connector	**gesis®** FLEX-0/2W DC	83.020.0627.0
with fuse, without mating connector	**gesis®** FLEX-0/2W DC F	83.020.0637.0
Standard, including mating connector	**gesis®** FLEX-0/2W DC Z	83.020.0627.1
with fuse, including mating connector	**gesis®** FLEX-0/2W DC F Z	83.020.0637.1
■ 1x female, GST15i2 coding light blue, DC supply		91.921.3353.0
■ 2x male, GST15i2 coding light blue, sunblind output		91.922.3353.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
DC supply	24 V DC; 6 A
Fuse (only with 83.020.0637.x)	3 A miniature fuse 5x20 mm, in the input circuit
Outputs	
Mains and bus connection	to next module
Sunblind outputs	2; separated controllable
Standard	DC as per input voltage/ 3 A
with fuse	like standard, however with 6.3AT fuse in the power supply system
Dimensions	
Length	95 mm linked, 105 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

GESIS® FLEX · DALI APPLICATION, STAND ALONE AND EXPANSION MODULES

DALI Gateway
No base module required

The 1-phase supplied KNX DALI Gateway with flat surface mounted housing which can be fitted on DIN rails for decentralized installation is able to control 64 DALI2 electronic control gears in 16 groups and single ECG control as well. It is a DALI2 single master certified, supports all common DALI device types and thus enables e.g. RGBW, tunable white and complex color control via device type 8. In addition to the grouping and definition of ECGs, the convenient DCA offers further options such as time controls for the realization of HCL specifications. The commissioning is done with the ETS from version 5. Errors and status messages as well as the 16 DALI groups can be retrieved at the module. The 5-pole output includes DALI +/-, L, N and PE. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** KNX FLEX-DA64	83.020.0643.0
including mating connector	**gesis®** KNX FLEX-DA64 Z	83.020.0643.1
■ 1 x female, GST18i3 coding black, mains feed 3-pole		92.931.3053.1
■ 1 x female, BST14i2 coding green, bus feed 2-pole		93.421.0553.1
■ 1 x male, GST18i5 coding pastel blue, DALI+mains output		92.954.4453.0

TECHNICAL DATA	
Feed	
Mains	230 V; 16 A
Bus connection	KNX TP1
Outputs	
KNX Bus	KNX TP1
DALI outputs	1; for a maximum of 64 DALI ballasts according to EN62386-102 Mains; 230 V, 16 A
DALI connector system	■ GST18i5 coding pastel blue, female connector in the module
Dimensions	
Length	160 mm
Width	144 mm, 215 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

DALI Output
3-fold signal + 230 V

The 3-fold DALI2 output (DALI + 230 V) with three separate controlled broadcast channels for 16 DALI ECGs each, with flat surface mounted housing which can be fitted on DIN rails for decentralized installation, is managed by the base module. It receives mains and bus supply from the upstream module. The outputs are pluggable 5-pole and supply the DALI signal and the 230 V mains supply. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** FLEX-0/3DA AC	83.020.0641.0
including mating connector	**gesis®** FLEX-0/3DA AC Z	83.020.0641.1
■ 3 x male, GST15i5 coding pastel blue, DALI+mains output		91.952.4453.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
DALI outputs	3
DALI	16 DALI2 ECGs each in broadcast mode
Mains	230 V; 16 A unswitched each
DALI connector system	■ GST15i5 coding pastel blue, female connector in the module
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Base and extension modules from the gesis® FLEX series
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

GESIS® FLEX · DALI EXTENSION MODULE

DALI output
4-fold

The DALI output for four separate controlled broadcast channels for 16 DALI ECGs each, with flat surface mounted housing which can be fitted on DIN rails for decentralized installation, is managed by the base module. It receives mains and bus supply from the upstream module. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** FLEX-0/4DA	83.020.0630.0
including mating connector	**gesis®** FLEX-0/4DA Z	83.020.0630.1
■ 4 x male, GST15i2 coding pastel blue, DALI signal output		91.922.3453.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
DALI outputs	4; for 16 DALI ECGs each, all DALI ECGs connected to one output work in broadcast operation
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1
Y cable, combination of 230 V and DALI signal, see page 25

DALI adapter cable
between gesis® FLEX modules and DALI cabling

The various adapter cables are required in order to be able to adapt directly from the gesis® FLEX modules to the luminaire cabling with various gesis® plug-in systems. Likewise, when connecting 64 DALI luminaires, a new 230 V supply is required due to the high load or the desired circuit division. In this case, the DALI signal is looped on and not retriggered from a central point.

Y-cables
GST15i2 + GST18i3 to GST18i5

Name		Part No.
DALI feed	■ DALI supply 2-pole, plug GST15i2 coding pastel blue	
Grid feed	■ Mains supply 3-pole, plug GST18i3 coding black	
Output	■ Luminaire strand 5-pole DALI+mains, plug GST18i5 coding pastel blue	
Cable 0.5 m, fire class Cca		99.405.9999.8
Cable 2.0 m, fire class Cca		99.417.9999.8

Y-cables
GST18i5 (DALI only) + GST18i3 to GST18i5

Name		Part No.
DALI feed	■ DALI supply 2-pole, plug GST18i5 coding pastel blue	
Grid feed	■ Mains supply 3-pole, plug GST18i3 coding black	
Output	■ Luminaire strand 5-pole DALI+mains, plug GST18i5 coding pastel blue	
Cable 0.5 m, fire class B2ca		99.431.9999.8

Adapter cable
GST18i5 to GST15i2

Name		Part No.
DALI feed	■ DALI supply 2-pole, plug GST18i5 coding pastel blue	
Output	■ DALI, plug GST15i2 Coding pastel blue	
Cable 0.5 m, fire class B2ca, other cable lengths on request		99.433.9999.8

Adapter cable
GST18i5 to open end

Name		Part No.
DALI feed	■ DALI supply 2-pole, plug GST18i5 coding pastel blue	
Output	Open end	
Cable 0.5 m, fire class Cca		99.403.1574.0
Cable 2.0 m, fire class Cca, other cable lengths on request		99.411.1574.0

Adapter cable
GST15i5 to GST18i5

Name		Part No.
DALI+mains feed	■ DALI- supply 5-pole, plug GST18i5 coding pastel blue	
Output	■ Luminaire strand 5-pole DALI+mains, plug GST18i5 coding pastel blue	
Cable 0.5 m, fire class Cca, other cable lengths on request		99.400.2866.4

Switching output
4-fold, standard and C-load

The 4-fold relay output 230 V DC; 16 A in the flat surface-mounted housing, which can be fitted on DIN rails for decentralized installation, is managed by the base module. It receives its mains supply and bus supply from the upstream module. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
Standard relay, without mating connector	**gesis®** FLEX-0/4	83.020.0623.0
C-load relay, without mating connector	**gesis®** FLEX-0/4 P	83.020.0626.0
Standard relay, including mating connector	**gesis®** FLEX-0/4 Z	83.020.0623.1
C-load relay, including mating connector	**gesis®** FLEX-0/4 P Z	83.020.0626.1
■ 4x male, GST18i3 coding black, output		92.932.3053.1

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
Relay outputs	
Standard (83.020.0623.x)	230 V; 16 A ohmic load
C-load (83.020.0626.x)	230 V; 16 A max. 140 µF
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Switching output
3-fold, emergency lighting

The 3-fold relay output 230 V DC; 16 A for emergency lighting in the flat surface-mounted housing, which can be fitted on DIN rails for decentralized installation, is managed by the base module. It receives its mains supply and bus supply from the upstream module. the pluggable 4-pole outputs provide N, PE, permanent 230 V and switched 230 V. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** FLEX 0/3 EL	83.020.0636.0
including mating connector	**gesis®** FLEX-0/3 EL Z	83.020.0636.1
■ 3x male, GST18i4 coding pebble gray, output		92.944.3553.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module (mains will be looped-through)
Outputs	
Mains and bus connection	to next module
Relay outputs	3; non-isolated 230 V; 16 A, 4-pole version with N, PE, switched and unswitched outer conductor
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Semiconductor Output
AC 230 V, with and without fusing

The 4-fold semiconductor 230 V AC; 0.5 A, with flat surface mounted housing which can be fitted on in DIN rail for decentralized installation, is managed by the base module. It receives mains and bus supply from the upstream module. The parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation. For 83.020.0632.x: every output is secured with a miniature fuse 0.5 AT.

Name	Type	Part No.
without fuse, without mating connector	**gesis®** FLEX-0/4 HL AC	83.020.0631.0
with fuse, without mating connector	**gesis®** FLEX-0/4 HL AC F	83.020.0632.0
without fuse, including mating connector	**gesis®** FLEX-0/4 HL AC Z	83.020.0631.1
with fuse, including mating connector	**gesis®** FLEX-0/4 HL AC F Z	83.020.0632.1
■ 4x male, GST15i2 coding black, semiconductor output		91.922.2053.1

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
Semiconductor outputs	4; non-isolated 230 V; 0.5 A; 2-pole design with N and switched outer conductor
Protection for 83.020.0632.0/1	0.5 AT; miniature fuse 5x20 mm
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Semiconductor Output
DC 24V, electronically protected

The 4-fold semiconductor output 24 V DC; 0.5 A, with flat surface mounted housing which can be fitted on in DIN rail for decentralized installation, is managed by the base module. Every output is electronically protected. It receives mains and bus supply from the upstream module, the 24 V DC are supplied separately. The extensive parameter set enables different automation functions. The manual operation level allows function tests without prior system integration. The electrical connections, which are pluggable in accordance with IEC 61535, separate automation and installation.

Name	Type	Part No.
without mating connector	**gesis®** FLEX-0/4 HL DC	83.020.0633.0
including mating connector	**gesis®** FLEX-0/4 HL DC Z	83.020.0633.1
■ 1x female, GST15i2 coding light blue, DC supply		91.921.2353.0
■ 4x male, GST15i2 coding light blue, semiconductor output		91.922.2353.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module (mains will be looped-through)
DC supply	24 V DC, external
Outputs	
Mains and bus connection	to next module
Semiconductor outputs	4; non-isolated 24 V DC; 0.5 A 2-pole design with + / -
Protection	electronically against overload and short-circuit
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

GESIS® FLEX · ENOCEAN APPLICATION, GATEWAY KNX - ENOCEAN AND ENOCEAN PUSHBUTTONS

KNX - EnOcean gateway

The bidirectional gateway for 32 channels is an independent KNX unit in a flat surface-mounted housing, which can be mounted on DIN rails for decentralized installation. The gateway is based on the EnOcean Equipment Profiles (EEP). In addition to the software for commissioning, there is comfortable manual operation available via a display. The ETS application also has an extensive logic/control range.
The KNX connection is pluggable.

Name	Type	Part No.
without mating connector	**gesis®** FLEX-ENO32B	83.020.0628.2
including mating connector	**gesis®** FLEX-ENO32B Z	83.020.0628.3
■ 1x female, BST14i2 coding green, KNX input		93.421.0553.1
■ Male, BST14i2 coding green, KNX forwarding (not part of 83.020.0628.3)		93.422.0553.1

TECHNICAL DATA	
Feed	
Bus	KNX TP1
EnOcean signals to EEP	32 channels, can be switched to bi-directional
Outputs	
Bus	KNX TP1
EnOcean signals	32 channels, can be switched to bi-directional, all current EEPs
Dimensions	
Length	126 mm
Width	144 mm, 215 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Wireless push-button Manfacturer-neutral 2-/4-channel

Battery-free and maintenance-free 2-/4-channel wireless pushbuttons for direct control of actuators. The rockers in neutral middle position are labelled with I / 0 or up / down (▲▼) symbols. These push-buttons with dimensions of 55 x 55 mm allow installation in various designs from different manufacturers such as: Berker: S1, B1, B3, B7 Glas | Gira: Standard 55, E2, Event, Esprit | Jung: A500, A plus | Merten: M-Smart, M-Arc, M-Plan

Name	Type	Part No.
Wireless pushbutton 2-channel, EnOcean, e.g. lighting control	white*, with I / 0 symbols	F0.000.0005.6
Wireless pushbutton 4-channel, EnOcean, e.g. lighting control	white*, with I / 0 symbols	F0.000.0005.7
Wireless pushbutton 2-channel, EnOcean, e.g. blind control	white*, with up / down symbols	F0.000.0005.8
Wireless pushbutton 4-channel, EnOcean, e.g. blind control	white*, with up / down symbols	F0.000.0005.9

* the colors / finishes anthracite and aluminum on request

Wireless push-button Manfacturer-neutral 2-/4-channel

This pushbutton series has a glossy, smooth surface. The 2-/4-channel wireless pushbuttons are battery-free and maintenance-free. The rockers are in neutral center position and without labeling or with 1/0 or up/down symbols. The frames listed below match these pushbuttons.

Name	Type	Part No.
Wireless pushbutton 2-channel, EnOcean, e.g. lighting control	pure white*, with I / 0 symbols	F0.000.0025.0
Wireless pushbutton 4-channel, EnOcean, e.g. lighting control	pure white*, with I / 0 symbols	F0.000.0025.1
Wireless pushbutton 2-channel, EnOcean, e.g. blind control	pure white*, with up / down symbols	F0.000.0025.2
Wireless pushbutton 4-channel, EnOcean, e.g. blind control	pure white*, with up / down symbols	F0.000.0025.3
Wireless pushbutton 2-channel	pure white*, without printing	F0.000.0025.4
Wireless pushbutton 4-channel	pure white*, without printing	F0.000.0025.5
1-fold frame	pure white*	F0.000.0025.6
2-fold frame	pure white*	F0.000.0025.7
3-fold frame	pure white*	F0.000.0025.8

* the colors / finishes piano black and aluminum on request

GESIS® FLEX · ACCESSORIES

Power supply unit 24 V DC, 30 W

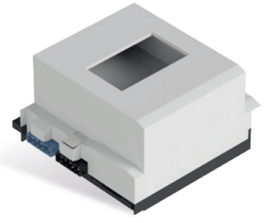
The 24 VDC; 30W power supply unit with flat surface mounted housing which can be fitted on DIN rails for decentralized installation can be added to the system. It receives mains from the upstream module and forwards mains and bus supply to the following modules. The output is wired parallel to three 2-pole connectors.

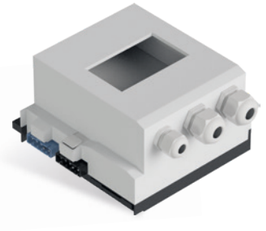
Name	Type	Part No.
without fuse, without mating connector	**gesis®** FLEX-PS 24/30	83.020.0640.0
without fuse, including mating connector	**gesis®** FLEX-0/4 HL DC Z	83.020.0640.1
■ 3 x male, GST15i2 coding light blue, DC output		91.922.3553.0

TECHNICAL DATA	
Feed	
Mains and bus connection	from upstream module
Outputs	
Mains and bus connection	to next module
DC output	24 V DC; 1.25 A 2-pole (wired parallel to three 2-pole connectors), Switch-off at loads > 33 W (switch-on in hiccup mode)
Dimensions	
Length	95 mm linked, 105 mm with right cover
Width	149 mm, 270 mm incl. male plug and cable
Height	44 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

System housing REG for 4 modular widths





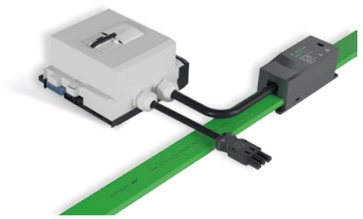
The REG module for DIN rail surface mounting for decentralized installation can be used to install DIN rail mounted devices according to DIN 43880 with up to four module widths. Mains and bus supply are passed from upstream to downstream module. Mains supply can be tapped internally. Depending on the model, a clear cover to protect the internal device is mounted, cable glands already integrated or must be provided on site.

Name	Type	Part No.
without screw fittings, without cover	**gesis®** FLEX-REG4	83.020.0660.0
including screw fittings, without cover	**gesis®** FLEX-REG4 V	83.020.0661.0
without screw fittings, including cover	**gesis®** FLEX-REG4 D	83.020.0662.0
including screw fittings, including cover	**gesis®** FLEX-REG4 DV	83.020.0663.0

TECHNICAL DATA	
Installation option	Rail-mounted devices according to DIN 43880 90 mm (crossways to the top-hat rail / 4 module widths (72 mm) / open to the top
Feed	Mains from the preceding module can be tapped internally
Through-wiring	Mains and bus routing from preceding module to next module
Cable entries	for cable diameter 5-9 mm 1x; 7-13 mm 2x
Dimensions	
Length	130 mm linked, 140 mm with right cover
Width	140 mm, without screw fittings
Height	173 mm, with screw fittings
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

RCB/MCB combination



The RCB/MCB combination with the flat cable tap-offs for the Wieland 10 mm² flat cable is used for decentralized fusing and is integrated in the flat surface mounted housing which can be fitted on DIN rails for decentralized installation. It can be mechanically linked to the gesis® FLEX system and forwards the gesis® FLEX bus and mains wiring to the following module. The fused tap-off is pluggable in accordance with IEC 61535.

Name	Type	Part No.
RCB/MCB combination	**gesis®** FLEX-REG FI/LS	G0.000.0667.3

TECHNICAL DATA	
Connections	
Input	Flat cable adapter 10 mm² Wieland 92.050.9153.1; Tap-off L1 on flat cable adapter, can be modified to L2/L3
Connection cable input	1.5 m/4 mm²
RCB/MCB nominal current	16 A
RCB/MCB leakage current IΔn	30 mA
RCB/MCB characteristics	B
Outputs	■ 1x GST18i3 coding black
Through-wiring	Mains and bus routing from preceding module to next module
Housing	**gesis®** FLEX REG4 without transparent cover
Device RCB/MCB	ABB DS201 B16 0.03 A
Dimensions (without cables)	
Length	130 mm linked, 160 mm with left and right cover
Width	215 mm, including the required bending radius for the cables, without flat cable adapter
Height	80 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

Power supply unit
24 V; 2.4 A

The power supply is used to supply 24 V DC consumers, the surface mounted housing can be fitted on DIN rails for decentralized installation. It is not suitable as a KNX power supply. The module receives its power supply from an upstream gesis® FLEX module. All electrical connections are pluggable according to IEC 61535.

Name	Type	Part No.
Power supply unit	**gesis®** FLEX REG PS24-2.5	G0.000.0667.2

TECHNICAL DATA	
Connections	All connections pluggable with approx. 30 cm cable length
Mains connection	230V from the upstream gesis® FLEX module
Output voltage	24 V DC SELV (adjustable up to 28 V DC)
Output current	2.5 A
Through-wiring	Mains and bus routing from preceding module to next module
Housing	**gesis®** REG4 without transparent cover
Device	Wieland switched-mode power supply wipos PB1 24-2.5
Dimensions (without cables)	
Length	130 mm linked, 160 mm with left and right cover
Width	215 mm, including the required bending radius for the cables
Height	80 mm, without top-hat rail
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Accessories
Mounting frame, see page 26
Mating connector, see page 32, E-Shop, printed catalog 0670.1

GESIS® FLEX REG · ACCESSORIES

System extensions mains+bus

The extensions for mains and internal bus for the flat surface-mounted module system for decentralized installation, which can be mounted on a mounting rail, may have a maximum length of one meter in the system. It locks automatically upon plugging. The mechanical coding means that the mains connection cannot be confused with the bus connection.

Name	Part No.
Mains extensions 0.5 m	91.257.0500.2
Mains extensions 1.0 m	91.257.1000.2
Bus extensions 0.5 m	99.400.9999.8
Bus extensions 1.0 m	99.401.9999.8

TECHNICAL DATA	
Mains extensions	
Nominal voltage	230/400 V
Nominal current	16 A
Connector system	□ GST15i5 coding white
Bus extension	
Nominal voltage	50 V
Connector system	■ GST15i5 coding light blue
Installation	Surface-mounted on TH35 mounting rail, system-compatible mounting frame or flat mounting surface

Covers

The covers serve to close gesis® FLEX devices or device arrangements on the left and right sides. They are included with base modules. If, for example, a gesis® FLEX housing is operated in isolation or only via feed-in module, we recommend the use of the protective caps.

Name	Type	Part No.
Set with two covers		99.061.9999.9

Assembly
Inserting and locking at the **gesis®** FLEX modules

Labeling

The gesis® FLEX devices offer enough space to place documentation on the device between labels. We recommend A4 label sheets with individual labels up to a dimension of 30x 90 mm. Manufacturers often offer templates or proprietary software tools that permit effective labeling.

Example:
Avery Zweckform 70 x 29.7 mm; 30 pieces on A4 sheet
Art.no. Avery Zweckform 3489

GESIS® FLEX REG · ACCESSORIES

Mounting frame

The mounting aid for the flat surface-mounted module system for decentralized installation, which can be mounted on a mounting rail, simplifies installation on cable support systems, ceilings, or walls. It accommodates up to six modules and has attachments for all incoming/outgoing cables. The hole pattern and supplied screws enable quick assembly.

Name	Type	Part No.
40 cm	Mounting frame	Z5.524.1410.0
50 cm	Mounting frame	Z5.524.1510.0
70 cm	Mounting frame	Z5.524.1710.0
80 cm	Mounting frame	Z5.524.1810.0
90 cm	Mounting frame	Z5.524.1910.0
100 cm	Mounting frame	Z5.524.2010.0

TECHNICAL DATA	
Installation	in cable duct with accompanying flat-head screws, in mesh cable trays with accompanying clip bolts, screw fitting to other surfaces
Mounting rail	TH35, integrated
Attachment of the cables	with cable ties to the hammer head profile
Dimensions	
Width	See above
Height	230 mm
Depth	15 mm

NUMBER OF MODULES AND SUGGESTED LENGTH OF THE MOUNTING FRAME

Base module + covers + installation	Binary input or intermediate feed	Switching, sunblind or DIN rail housing	Mounting frame length in cm	Part No.
195 mm	**95 mm**	**130 mm**		
1	0	1	40	Z5.524.1410.0
1	0	2	50	Z5.524.1510.0
1	0	3	60	Z5.524.1610.0
1	0	4	80	Z5.524.1810.0
1	0	5	90	Z5.524.1910.0
1	0	6	100	Z5.524.2010.0
1	1	0	40	Z5.524.1410.0
1	1	1	50	Z5.524.1510.0
1	1	2	60	Z5.524.1610.0
1	1	3	70	Z5.524.1710.0
1	1	4	90	Z5.524.1910.0
1	1	5	100	Z5.524.2010.0
1	2	0	40	Z5.524.1410.0
1	2	1	50	Z5.524.1510.0
1	2	2	70	Z5.524.1710.0
1	2	3	80	Z5.524.1810.0
1	2	4	100	Z5.524.2010.0
1	3	0	50	Z5.524.1510.0
1	3	1	60	Z5.524.1610.0
1	3	2	80	Z5.524.1810.0
1	3	3	90	Z5.524.1910.0
1	4	0	60	Z5.524.1610.0
1	4	1	70	Z5.524.1710.0
1	4	2	90	Z5.524.1910.0
1	5	0	70	Z5.524.1710.0
1	5	1	80	Z5.524.1810.0

GESIS® FLEX · NO LONGER AVAILABLE

Unfortunately, the units listed below had to be taken out of the sales programme. You can still find the documentation and the product databases in our e-shop. We will be happy to help you implement the omitted functions with other solutions in the following way:

- **gesis®** FLEX REG housing:
  You have found a DIN rail mounted device with a maximum of 4 division units which takes over the function which we will gladly install in the gesis FLEX empty housing.

- System distributor:
  If the unit should be larger or additional functions should be integrated into the pluggable electrical installation, then we recommend the use of a Wieland system distributor. Information on this can be found on the following pages or in more detail in the System distributor / 0702.0 brochure.

Fan coil base module

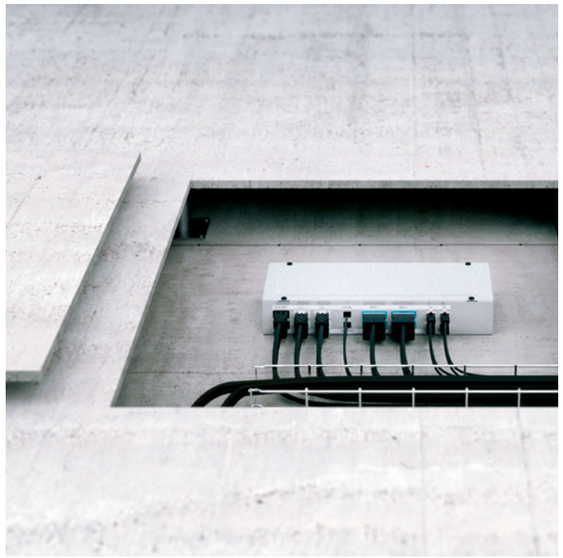
Name	Type	Part No.
without mating connector	**gesis®** KNX FLEX-FC	83.020.0638.0
Mating connector included	**gesis®** KNX FLEX-FC Z	83.020.0638.1

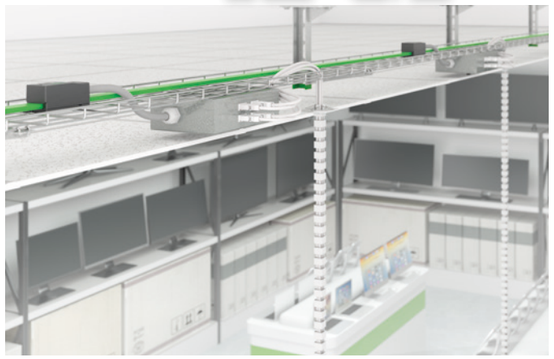
Fan coil extension module

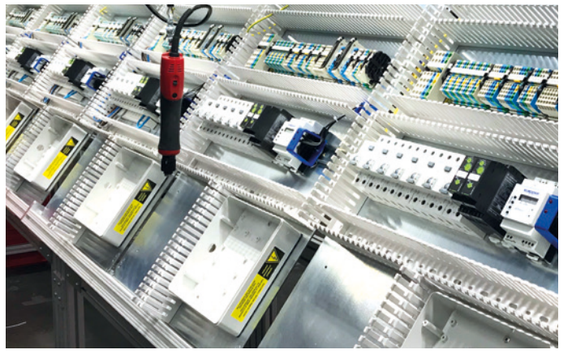
Name	Type	Part No.
without mating connector	**gesis®** FLEX-FC EM	83.020.0639.0
Mating connector included	**gesis®** FLEX-FC EM Z	83.020.0639.1

KNX-SMI gateway

Name	Type	Part No.
without mating connector	**gesis®** KNX FLEX-SMI8	83.020.0635.0
Mating connector included	**gesis®** KNX FLEX-SMI8 Z	83.020.0635.1







SYSTEM DISTRIBUTION BOXES FOR **DECENTRALIZED** + **PLUGGABLE** ELECTRICAL INSTALLATION.

Wieland is your experienced and reliable partner for efficient + pluggable solutions for decentralized system distribution boxes. For your projects we offer smart and rational power and signal distribution solutions which make even brief planning and realization times possible and are flexible enough to enable later changes of use.

SMART BUILDING READY – IT COULDN'T BE EASIER

Whether in offices, administrative buildings, municipal buildings, airports, and hospitals, etc., few building owners these days do not embrace energy-saving building automation in buildings that are used commercially. More and more users now regard a decentralized arrangement as the optimum solution for control devices. The system distribution boxes are precisely made to the needs of the application and ideally assembled in suspended ceilings or raised floors. Not only is installation much quicker, but there is also the added benefit that the commissioning checks take far less time because the units are assembled and pre-tested at the factory.

SYSTEM DIVERSITY
FOR YOUR APPLICATIONS.

We supply the right system distribution box for every application. Alongside our standard distributors, we also make tailored customized system distribution boxes. We would be pleased to advise you.

RVG SYSTEM DISTRIBUTION BOXES
Empty housing

Our RVG empty housings offer bountiful possibilities and maximum flexibility for all installations. Simply select the right empty housing from the standard range and supplement it with flange plates to match the required interfaces – done!

SPZ SYSTEM DISTRIBUTION BOXES
Special

This distributor is ideal if things may get a bit damp in its vicinity. Choose the plastic housing from a standard product range and all the necessary components can be integrated.

WIV SYSTEM DISTRIBUTION BOXES
Installation distributor

This distributor enables exhibition stands, for example, to be electrified quickly and ensures safe and reliable power distribution. This power distributor can be installed according to the plug&play principle thanks to our gesis® and RST® installation connector systems.

CPO SYSTEM DISTRIBUTION BOXES
Consolidation Point

The Consolidation Point offers a decentralized distribution point to switch from permanent to flexible installation. The Consolidation Point is available as an energy-only or data-only distributor, or combines both. If necessary, it also accommodates protective/switching devices.

MSR SYSTEM DISTRIBUTION BOXES
Instrumentation and control

This distributor accommodates all the I&C technology components that are needed for a story of a building. We work closely with the I&C contractors involved in a building project.

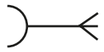
RAU SYSTEM DISTRIBUTION BOXES
Room automation

This distributor covers defined areas with I/Os to automate lighting, blinds, and room temperature. It accommodates all the I/Os of a room unit and can be supplemented with power supply units, for example.

INS SYSTEM DISTRIBUTION BOXES
Installation column

This system distributor model is used mainly in school renovation/construction. The installation column is the link between the electrical installation and your modern room automation needs.

GESIS® FLEX CONNECTOR SYSTEM OVERVIEW

Module	Type	Female Part No.	Male Part No.	Connection cable female-male Part No.*	Connection cable female-free end Part No.*	Connection cable male-free end Part No.*
						
KNX base modules and intermediate feeds				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
Mains feed 3-pole	■ GST18i3 / black	92.931.3053.1		92.232.x070.1	92.232.x073.1	
Mains feed 5-pole	■ GST18i5 / black	92.953.4053.1		92.257.x070.1	92.257.x073.1	
				J-H(St)Hh / 2x2x0.8 / Cca s1 d1 a1		
KNX supply	■ BST14i2 / green	93.421.0553.1		94.425.x050.7	94.425.x053.7	
KNX forwarding	■ BST14i2 / green		93.422.0553.1	94.425.x050.7		94.425.x054.7
Binary input 8-fold				**H05Z1Z1-F / 1.5 mm² / B2ca s1d1a1**		
Male plug A	■ GST15i5 / light blue		91.952.4353.0	91.257.x070.6		91.257.x074.6
KNX - DALI Gateway supply lines				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
KNX supply	■ BST14i2 / green	93.421.0553.1		94.425.x050.7	94.425.x053.7	
KNX forwarding	■ BST14i2 / green		93.422.0553.1	94.425.x050.7		94.425.x054.7
Mains feed 3-pole	■ GST18i3 / black	92.931.3053.1		92.232.x070.1	92.232.x073.1	
DALI outputs				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
only signal	■ GST15i2 / pastel blue		91.922.3453.0	91.222.x070.9		91.222.x074.9
Signal + 230 V	■ GST18i5 / pastel blue		92.954.4453.0	92.257.x070.9		92.257.x074.9
Adapter and Y-cables see page 19						
Switching outputs				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
Outputs 3-pole	■ GST18i3 / black		92.932.3053.1	92.232.x070.1		92.232.x074.1
Outputs 4-pole	■ GST18i4 / pebble gray		92.944.3553.0	92.207.x070.3		92.207.x074.3
Sunblind outputs				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
AC / 4-pole	■ GST18i4 / black		92.944.3053.1	92.207.x070.1		92.207.x074.1
DC / 2-pole supply	■ GST15i2 / light blue	91.921.3353.0		91.222.x070.6	91.222.x073.6	
DC / 2-pole output	■ GST15i2 / light blue		91.922.3353.0	91.222.x070.6		91.222.x074.6
Semiconductor outputs				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
AC / 2-pole	■ GST15i2 / black		91.922.2053.1	91.222.1070.1		91.222.1074.1
DC / 2-pole supply	■ GST15i2 / light blue	91.921.2353.0		91.222.x070.6	91.222.x073.6	
DC / 2-pole output	■ GST15i2 / light blue		91.922.2353.0	91.222.x070.6		91.222.x074.6
KNX - EnOcean gateway				**J-H(St)Hh / 2x2x0.8 / Cca s1 d1 a1**		
KNX supply	■ BST14i2 / green	93.421.0553.1		94.425.x050.7	94.425.x053.7	
KNX forwarding	■ BST14i2 / green		93.422.0553.1	94.425.x050.7		94.425.x054.7
Power supply unit 24 V DC				**H05Z1Z1-F / 1.5 mm² / B2ca s1 d1a1**		
DC / 2-pole output	■ GST15i2 / light blue		91.922.2353.1	91.222.x070.6		91.222.x074.6

* x in the order number for cable lengths from 1 m = 1 up to 8 m = 8

OPEN SYSTEMS FACILITATE HOLISTIC **CONCEPTS.**

The bus systems used at Wieland are market standards and can easily be complemented to holistic systems with components of third-party manufacturers.

THE COMPREHENSIVE SYSTEM

KNX is a globally used manufacturer-independent and interoperable bus system for installations in buildings. Nearly 500 manufacturers offer more than 8000 products that can simply be combined to form complete solutions.

- The Wieland device series are based on KNX
- Expansions with KNX products made by partners are easy
- Wieland Electric can easily integrate third-party devices into the pluggable electrical installation
- We would be happy to advise you on complete solutions and rely on well-known brand partners for the selection of equipment

WIRELESS COMMUNICATION

EnOcean stands for wireless communication without batteries. Sensors like buttons, for example, generate the energy that is required to send a radio telegram. They do not require maintenance and are ideal to implement flexible installation concepts.

- Wieland is coupling EnOcean and KNX with a gateway
- Buttons in various versions are available directly from Wieland
- We would be happy to advise you on complete solutions and rely on well-known brand partners for the selection of equipment

SMI – SUB-SYSTEM FOR SUNBLIND SYSTEMS

SMI stands for standard motor interface and thus for an interoperable system for shading control. The simple cable routing offers a high savings potential.

- Wieland integrates SMI actuators into the pluggable electrical installation
- The pluggable round cable structures with distribution blocks as well as the Wieland flat cable systems are ideal for cabling SMI systems
- We would be happy to advise you on electronics and installation

DALI – SUB-SYSTEM FOR LIGHTING SYSTEMS

DALI2 is the bus system for lighting control. The simple cable routing ideally matches the Wieland installation concepts.

- Wieland can establish the coupling between DALI and KNX with a gateway and extension modules of the gesis® FLEX system
- The pluggable round cable structures with distribution blocks as well as the Wieland flat cable systems are ideal for cabling DALI systems
- Indoor and outdoor installation systems available
- We would be happy to advise you on electronics and installation

GESIS® PLAN
CONCEPTUAL DESIGN TOOL

Intuitive + flexible + license-free.

Our conceptual planning tool gesis® PLAN for architects and electrical planners makes planning pluggable electrical installations even easier. The planning tool uses CAD building data to generate installation drafts, as well as parts and price lists. gesis®PLAN also independently checks the current load of cables and detects errors. The planner can locate them immediately in the detailed 3D views.

+ Import of DWG, DXF, JPG, PNG
+ Free cable routing
+ Safe contact checks
+ Parts lists and price lists
+ Animation of the drawing

Request gesis® PLAN free of charge:
gesisplan@wieland-electric.com

INFO **TO GO**

All brochures from Wieland Electric
are available for download on our website.

https://www.wieland-electric.com/en/support/downloads

Interesting for you

GESIS® DISTRIBUTION BOXES
Decentralized building automation
with plug&play
Part No. 0702.1

GESIS® CATALOG
Pluggable
Electrical installation
Part No. 0670.1

GESIS® NRG
Application examples for the flexible
electrical installation with flat cable
Part No. 0663.1

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in motion

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Technical consultation
Building Solutions

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