



**WINSTA®**

Advanced Electrical Installation Planning





Installation example for lighting cable in hallways and offices

# WINSTA® PLUGGABLE CONNECTION SYSTEM

## Your Solution for Intelligent Building Installations

The WINSTA® Connection System is based on cable assemblies and standard components, which are combined in accordance with the construction project. Due to the large selection in the product portfolio, lighting applications, network wiring, and blind controls can be quickly and effectively implemented. WINSTA® provides a

safe electrical installation that can be easily and flexibly adapted to new and existing construction. Property owners, operators, designers, and electricians can all see significant savings by wiring using WINSTA®. The WINSTA® Connection System is especially suited for wiring in double floors, suspended ceilings, and cable ducts.

### Power Supply



Socket, 3-pole  
Item no.: 770-203/035-000



Plug, 3-pole  
Item no.: 770-213/035-000

### Distribution



T-distribution connector,  
2 outputs  
Item no.: 770-615



h-distribution connector,  
2 outputs  
Item no.: 770-635



Distribution connector,  
5 outputs  
Item no.: 770-608



h-distribution connector,  
3 outputs  
Item no.: 770-607



Linect® T-distribution  
connector, 3-pole  
Item no.: 770-6223

### Connecting



Interconnecting cable,  
socket – plug  
Item no.: 771-9993/006-x01

### Mounting



Mounting plate  
Item no.: 770-623

### Connecting Switches and Sensors



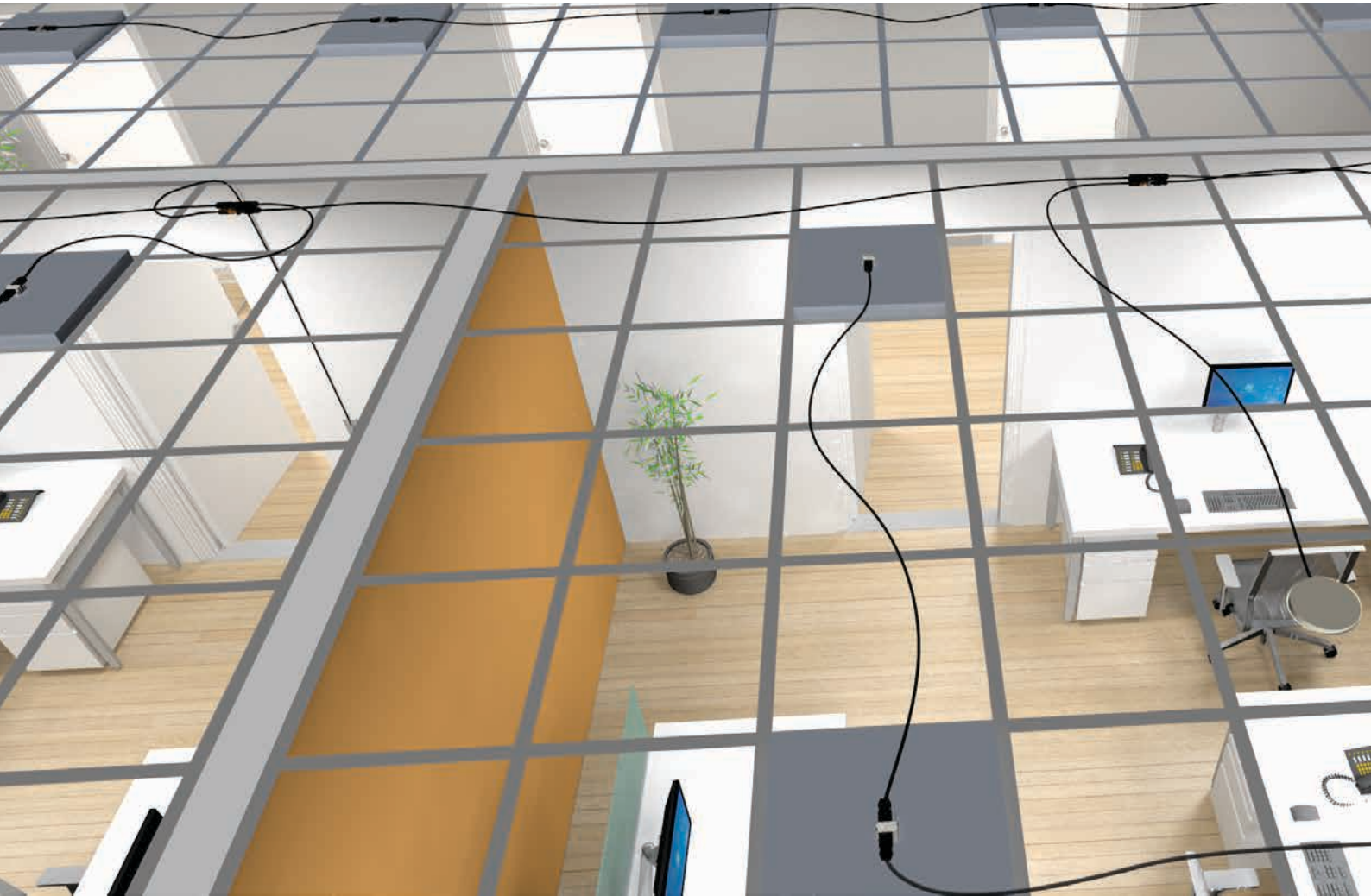
Distribution connector for single-pole switch and series circuits; Item no.: 770-637  
Distribution connector for single-pole switch or two-way circuits; Item no.: 770-638



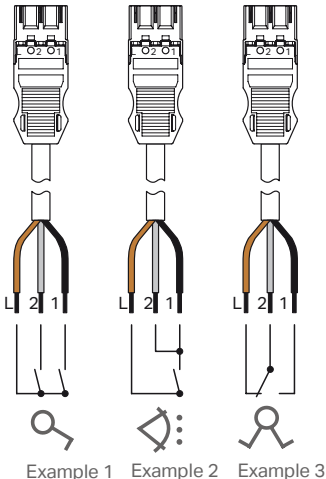
Shorting plug  
for presence detectors  
Item no.: 770-113/147-000



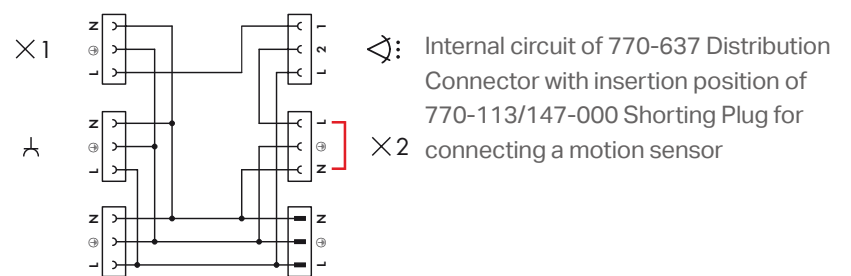
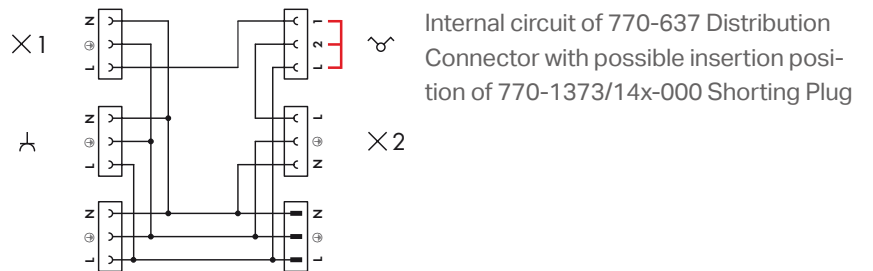
Connecting cable  
for switches,  
Item no.: 771-9973/206-x05

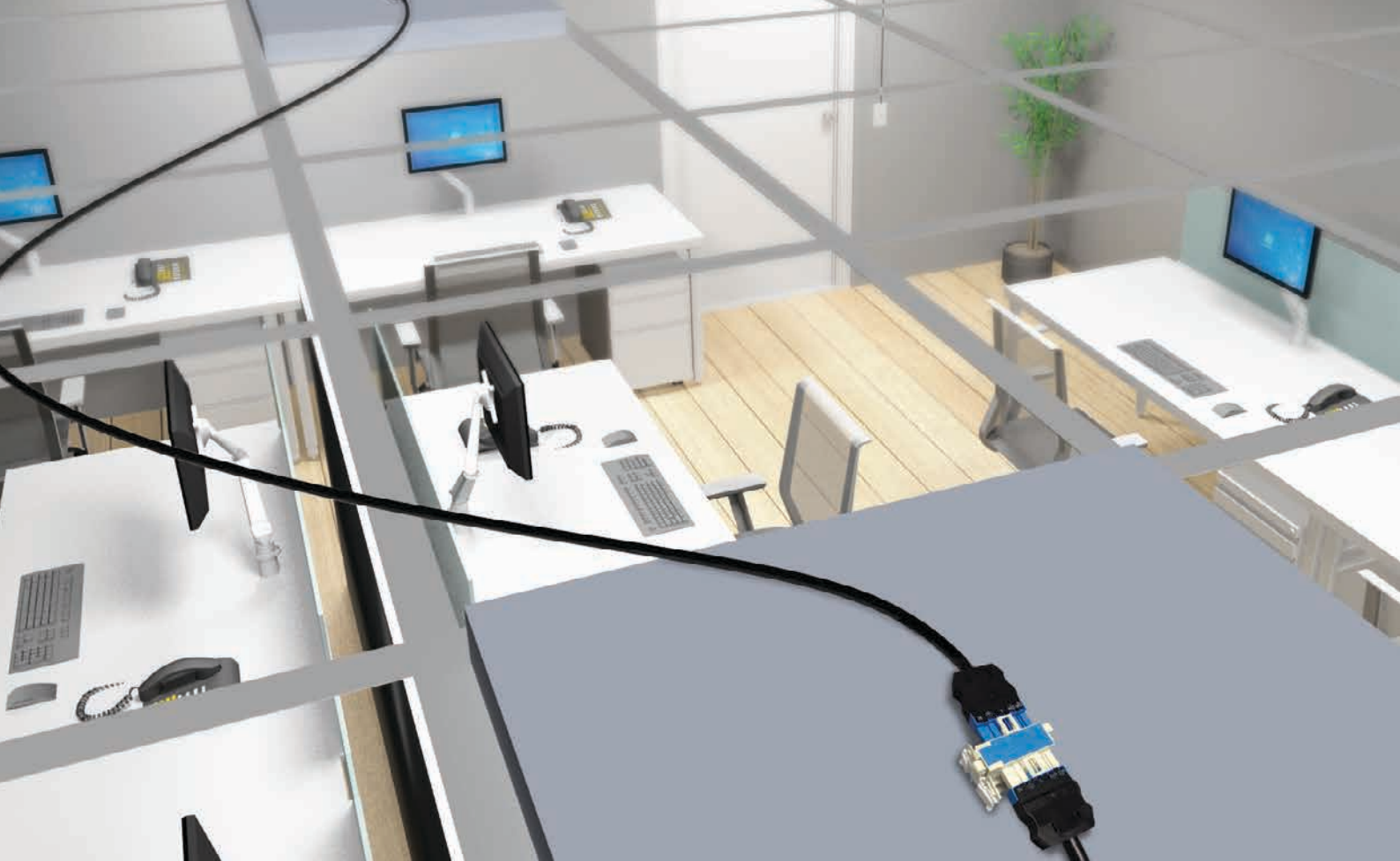


# INSTALLATION EXAMPLE FOR LIGHTING APPLICATIONS – WITH SWITCH AND PRESENCE SENSOR FUNCTIONS



Example 1 Example 2 Example 3





## INSTALLATION EXAMPLE FOR LIGHTING APPLICATIONS CONTROLLED USING DALI

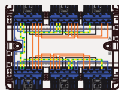
By using *WINSTA*®, scalable solutions can be easily and conveniently realized for lighting appli-

cations in office complexes, classrooms, conference rooms, and many other types of spaces.

### Distribution



h-distribution connector,  
2 outputs  
Item no.: 770-993



Distribution box,  
distribution for 230 V DALI  
Item no.: 899-631/313-000



T-distribution connector,  
5-pole, DALI  
Item no.: 770-620



h-distribution connector,  
3 outputs  
Item no.: 770-618



T-distribution connector,  
5-pole, Linect®, DALI  
Item no.: 770-7105

### Mounting



Mounting plate,  
5-pole  
Item no.: 770-625

### Connecting Sensors



Connecting cable  
for DALI sensors  
Item no.: 771-5001/065-000

### Connections



Interconnecting cable,  
socket – plug, 5-pole  
Item no.: 771-9985/006-x01

### Power Supply



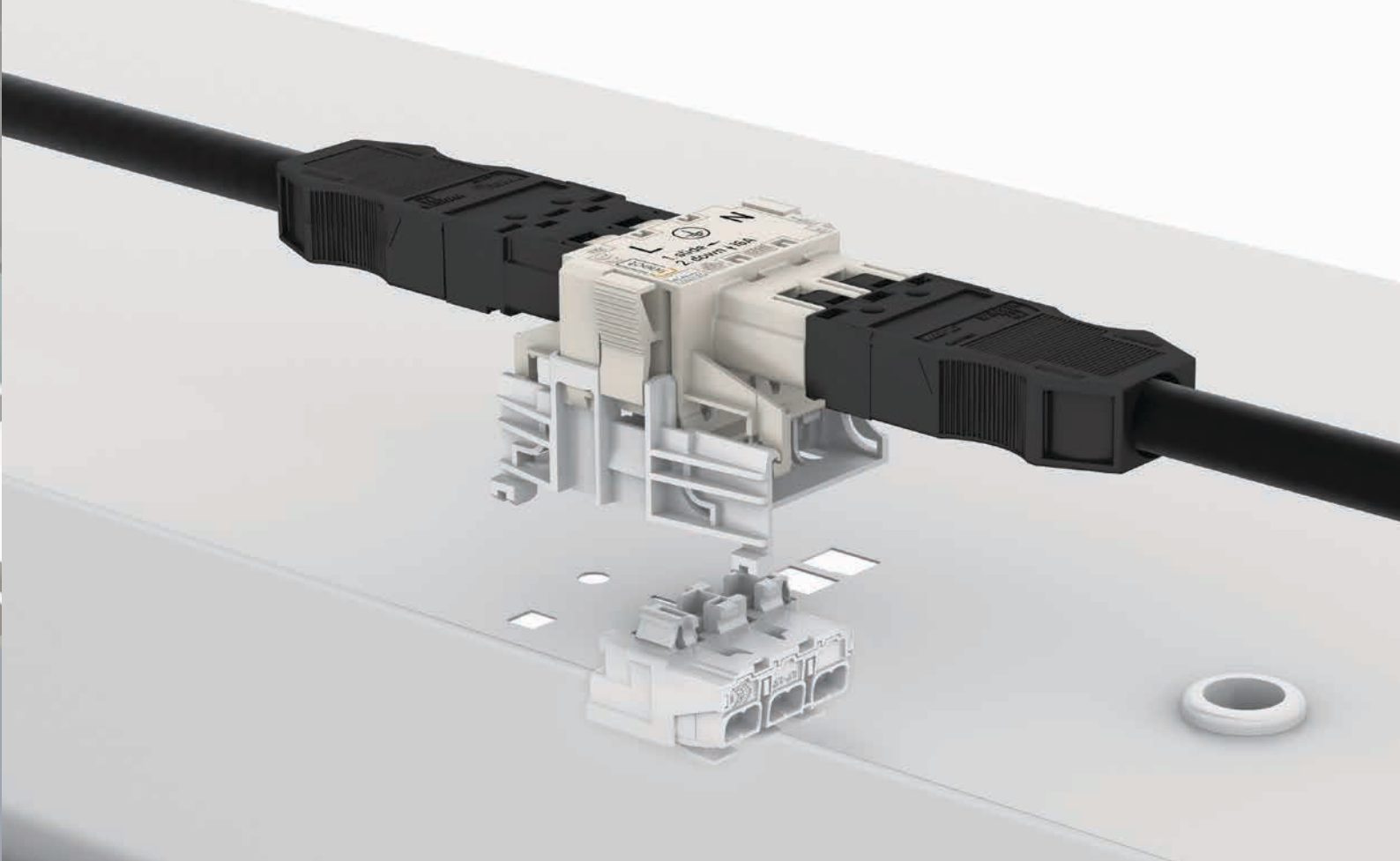
Socket, 5-pole for  
power supply  
Item no.: 770-1105



Strain relief  
Item no.: 770-505



Plug,  
5-pole  
Item no.: 770-1115



## LINECT® – THE UNIVERSAL CONNECTION BETWEEN LIGHTS AND THE WINSTA® CONNECTION SYSTEM

Your freedom during planning, which is secure over the long term, is enhanced in projects using compatible Linect® components: from the concept phase up through the bidding phase and ultimately for fast installation.

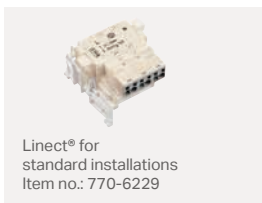
The universal Linect® Connection System greatly simplifies on-site electrical installations.

### Enjoy the Following Benefits:

- Freedom of choice in installation systems (conventional or pluggable) due to product compatibility across all manufacturers
- Freedom of choice in Linect® lights, regardless of connection type or manufacturer
- Simplified bidding thanks to separate bids for lighting and cable installation

### Enjoy the Following Benefits:

- Plug-and-play connections for fast installation of Linect® Lights
- Compatible with all types of connections: conventional and pluggable
- Assembly is just as fast as disassembly – even during operation



**REGIOLUX**

 **GLAMOX**

**siteco**

**THORN**

 **ZUMTOBEL**

**FAGERHULT**

 **RIDI**  
Licht für Mensch und Technik

 **LUDWIG**  
LEUCHTEN  
MEHR ALS LICHT

 **TRILUX**

# WAGO SERVICES

## Technical Support

WAGO's technical support staff is ready to assist all customers with advice and guidance: from selecting the right product, through telephone support during commissioning, all the way up to on-site troubleshooting. Customers directly benefit from knowledgeable WAGO experts who help customers implement their projects faster.

### WAGO Provides Advice and Support with:

- Product selection
- Product commissioning
- All technical questions about the WAGO product program

### Contact Technical Support:

- by phone at +49 571 887 555
- by email at [support@wago.com](mailto:support@wago.com)
- via the contact form at [www.wago.com](http://www.wago.com) > Service > Support-Hotlines > Technical Support AUTOMATION

## Project Support

WAGO offers consulting and project planning services to help devise the best possible solutions for your custom building automation and installation projects. Our experienced team of professionals will gladly help you implement your projects with WAGO products.

### Large-Scale Applications Include:

- Production facilities and warehouses
- Office buildings
- Shops and display areas
- Schools
- Hospitals
- Airports

### Planning and Project Design:

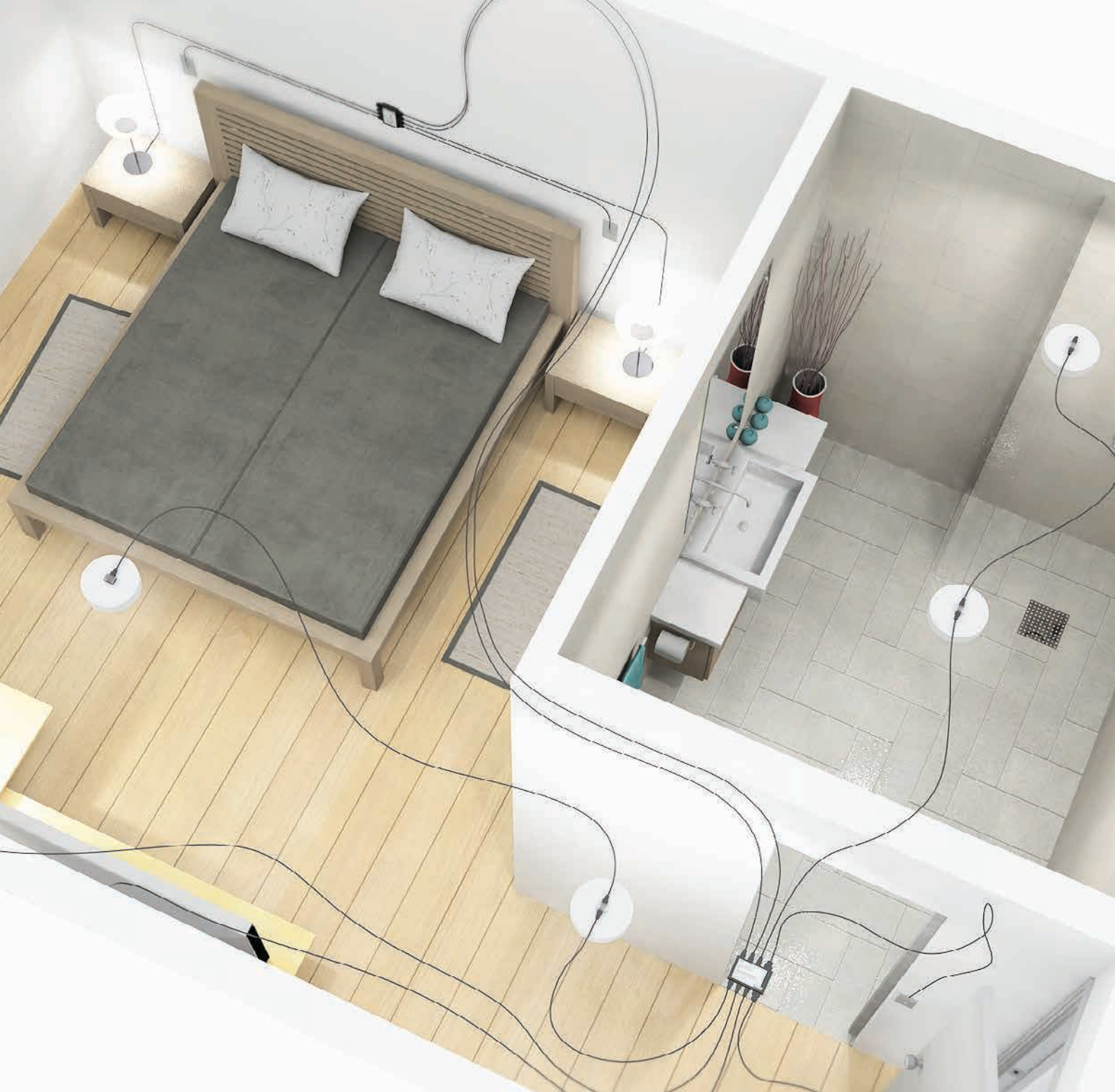
- Conceptual design
- Network planning
- Application design
- Component selection
- Quote generation

### WAGO Helps Customers with:

- Advice in the planning phase of the construction project from experts with years of project experience
- Creation of customized solutions for large-scale projects for technical and financial success
- Technical support in implementing building projects

Please contact your sales partner.





## WINSTA® HOTEL PROJECTS

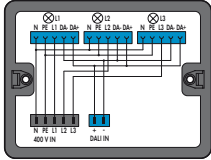
WINSTA® is especially suited for electrical wiring installations in hotel rooms, hallways, and common areas. WAGO provides pre-assembled cables in the desired lengths and version. Room control functions can be designed in individually manufactured distribution boxes and likewise connected using pre-assembled cables. This allows you to

save significant time and money during the construction phase. WAGO adapts the cables and distribution boxes to your specifications, desires, and challenges; for example, to connect key card switches, limit switch systems, lighting, and electrical outlets.

# WINSTA® DISTRIBUTION BOX

## Custom Equipment for Different Applications

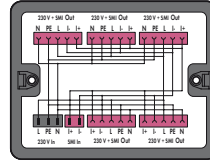
### Examples of Custom Distribution Boxes



#### Lighting

This WINSTA® Distribution Box combines the L1, L2, and L3 phases of the 3-phase current with the DALI signal (separate cable).

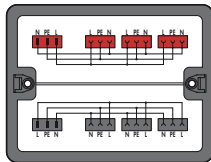
Item no.: 899-631/354-000



#### Sun Protection

This WINSTA® Distribution Box connects to 5-pole SMI drives. Power supply is performed via two cables (230 V and SMI). Both cables are combined into four outputs.

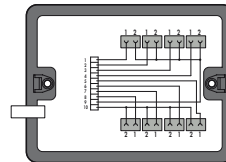
Item no.: 899-631/444-000



#### Network Application

This WINSTA® Distribution Box features two different 3-pole, single-phase circuits (e.g., for general power, EDP outlets, and UPS systems). Both networks are provided with differently encoded connectors. Three-pole connecting cables are provided for both power input and output.

Item no.: 899-631/311-000



#### Supply Cable Entry

Power supply is performed via 10-pole cable on a terminal strip (e.g., valve control).

Item no.: 899-631/454-000







## CONNECTING RAISED-FLOOR BOXES

IDC flat cables provide general power supply (GPS) or safety power supply (SPS) to raised-floor boxes. Depending on the supply type, a flat cable line is installed in the double floor and fed via supply modules. Tap-offs are created near the floor boxes using cable assemblies. These cable assemblies are con-

nected to floor boxes via connectors that are 100% protected against mismatching. Floor boxes are already equipped with WIN-STA® Plugs and can be purchased from our partners.



Our partners for these types of applications:

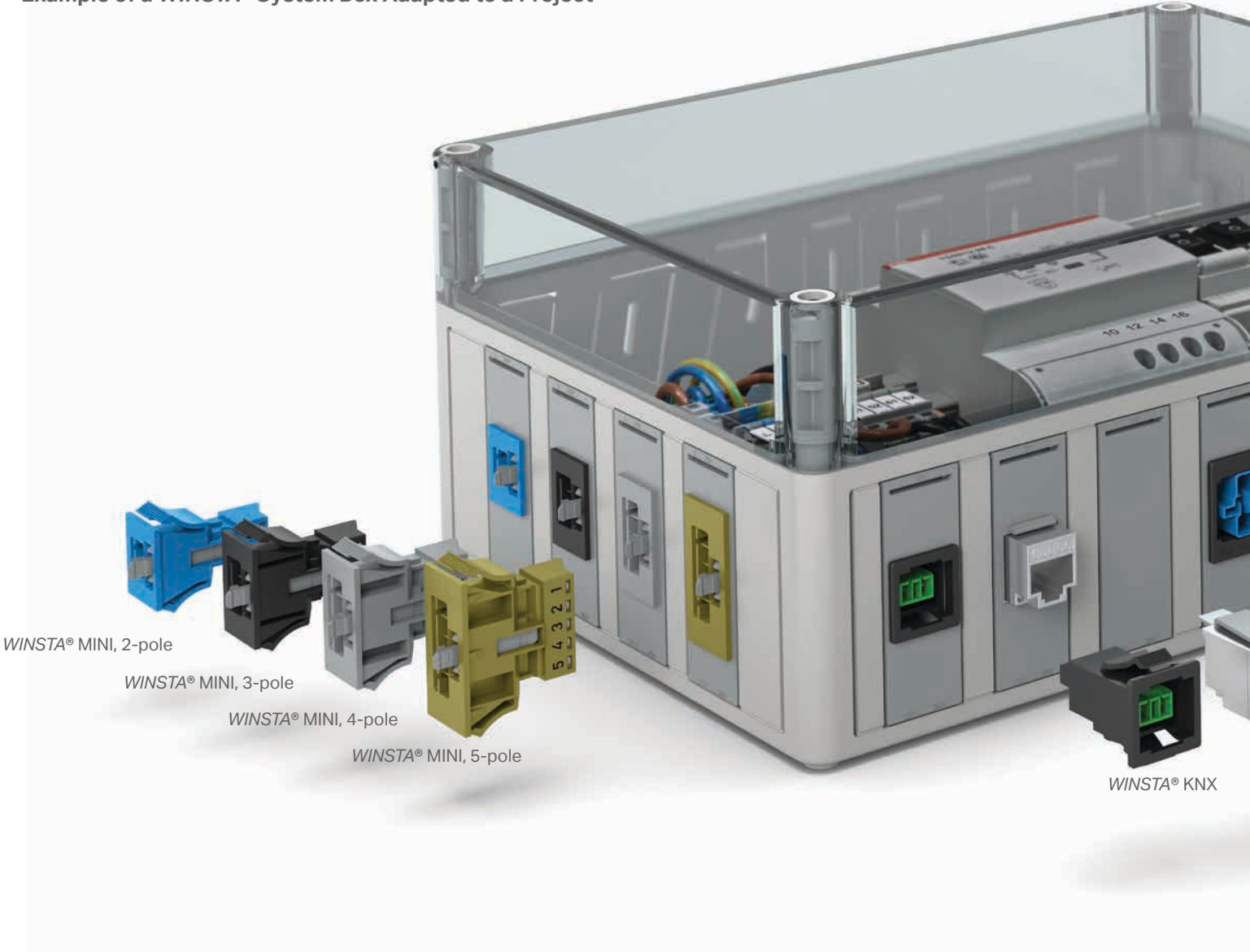


# WINSTA® SYSTEM BOX – FOR GREATER DIVERSITY IN BUILDING AUTOMATION

We are continuously faced with new challenges in wiring installations: greater technical demands are placed on systems that are increasing in complexity. WAGO's new WINSTA® System Box enables optimization of functions in building wiring installations. The System Box offers several different pluggable and compact electrical installation solutions, including electrical distribution, smaller control units, and switch func-

tions. A typical application would be a pluggable distribution for different circuits, which also enable the integration of circuit breakers. Other components, that comply with standards and are mountable on DIN-rails, can also be combined with our WINSTA® products. The System Box can be configured and allows the number of outputs to be adapted to the customer's needs with corresponding definition of the functions.

## Example of a WINSTA® System Box Adapted to a Project



**Dimensions of the WINSTA® System Box**

- Variants with a low cover:  
180 mm x 254 mm x 89 mm
- Variants with a high cover:  
180 mm x 254 mm x 110 mm

**WINSTA® System Box for Maximum Functions**

- Adaptable to project-specific components
- Different covers for maximum flexibility
- Suitable for components complying with DIN Standards, like circuit breakers, relays, actuators, etc.
- Various mounting options

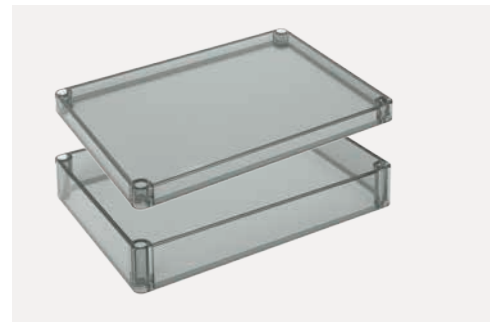
**WINSTA® System Box for Different Applications**

- DALI lighting control
- Sun blind control using SMI bus
- Fuse protection for groups
- Room control

**Five Cover Variants –  
The Right Cover for Every Application:**



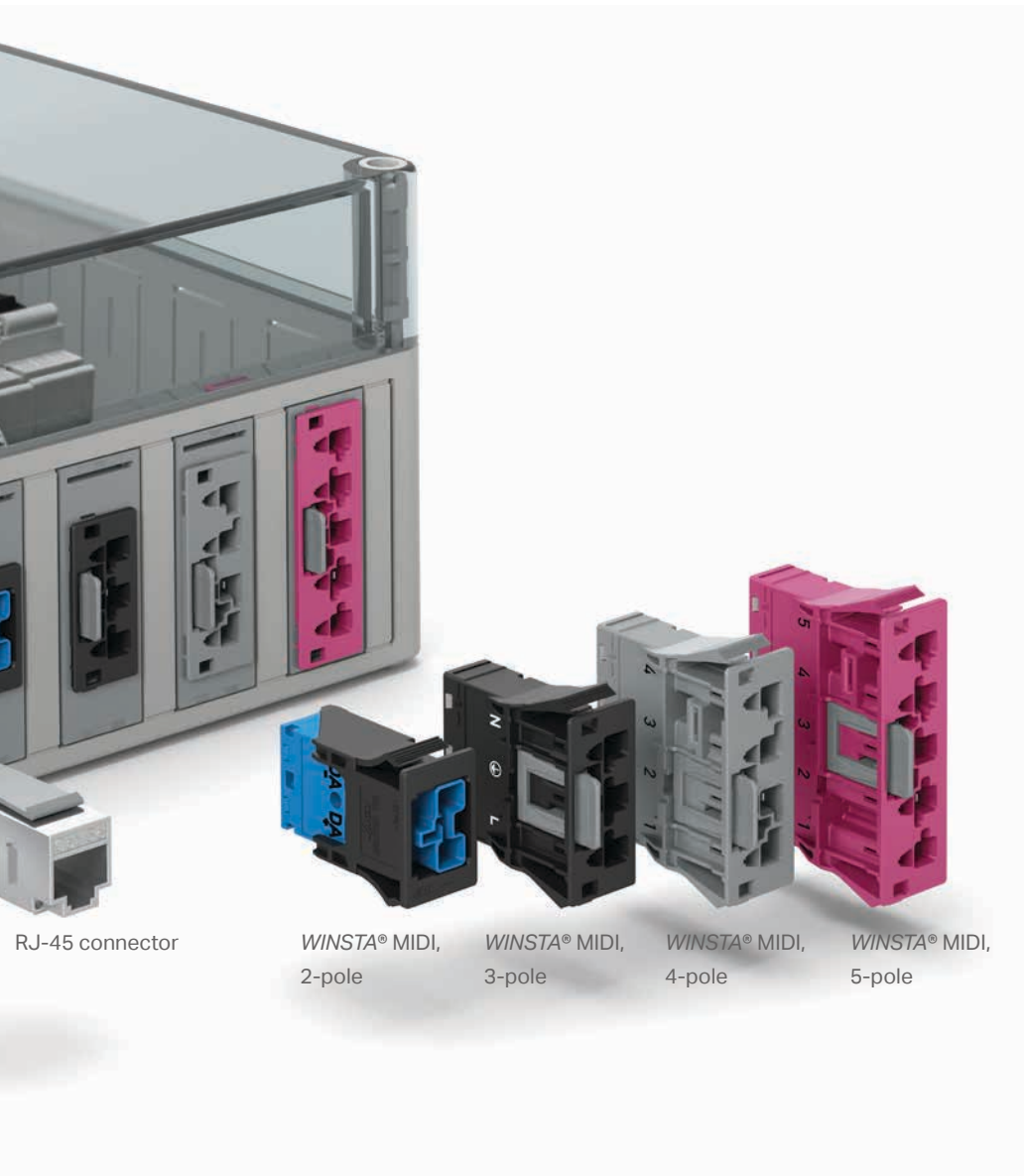
Transparent cover with hinge



Transparent cover in sizes:  
18 mm and 39 mm



Non-transparent cover in sizes:  
18 mm and 39 mm



RJ-45 connector

WINSTA® MIDI,  
2-pole

WINSTA® MIDI,  
3-pole

WINSTA® MIDI,  
4-pole

WINSTA® MIDI,  
5-pole

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