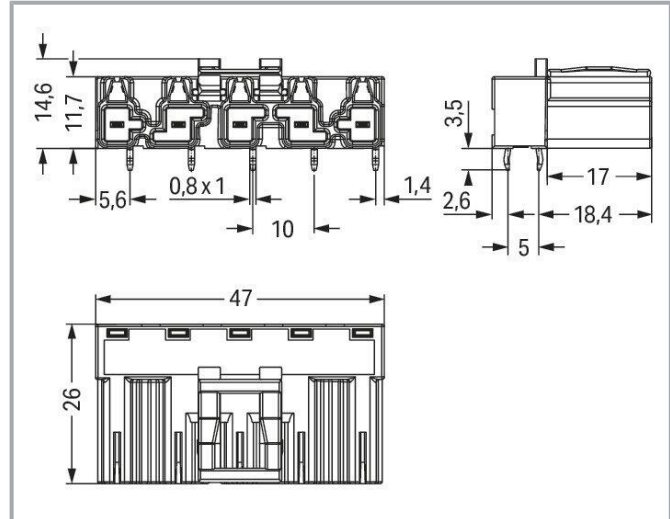
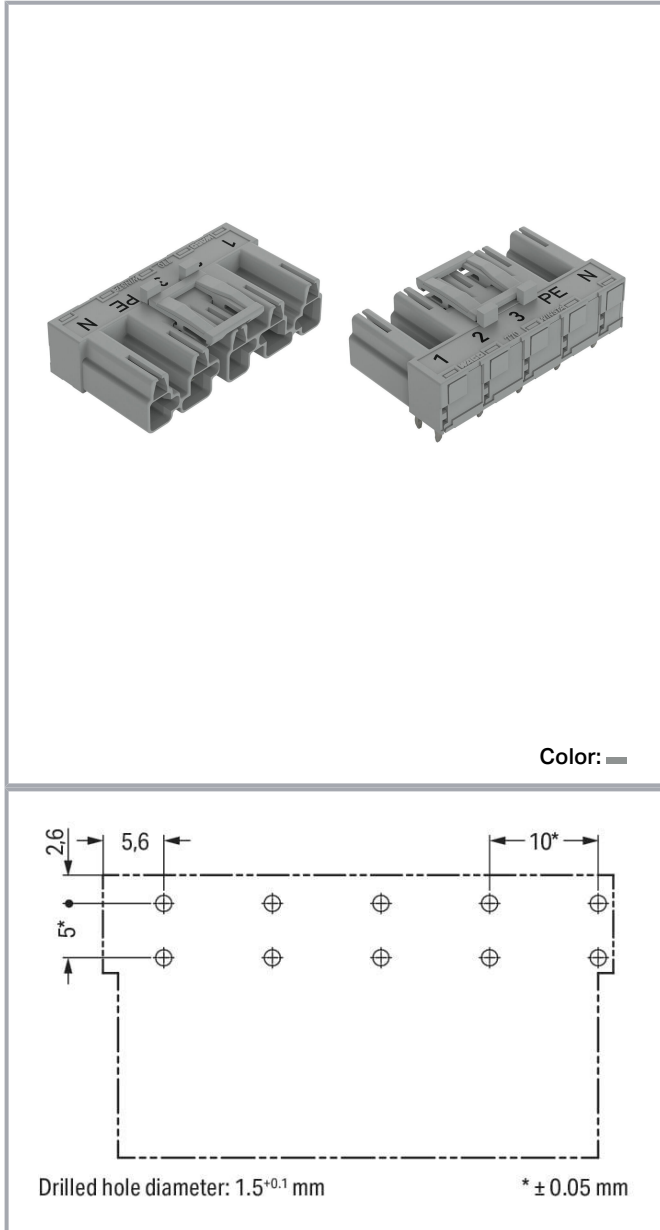




Subject to changes. Please also observe the further product documentation!



## Item description

### Male connector/plug WINSTA® MIDI B coding

The WINSTA® MIDI male connector/plug with locking latch are compact but high-quality PCB terminal blocks. They offer easy operation and the greatest flexibility for installation. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit maintenance free terminal connections. For greater protection in electrical installations, the pcb connectors is provided with mechanical protection against mismating. B coding enables the WINSTA® MIDI pcb connectors to be used for control in applications in automation, mechanical engineering and robotics. This pcb connectors is used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Thanks to the built-in test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

### WINSTA® MIDI solutions for your electrical installation – protected against mismating and maintenance-free

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with locking lever from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismating
- for automation controllers
- for automation controllers
- quick replacement of defective units during ongoing operation

## Data Notes

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

|                               |                |
|-------------------------------|----------------|
| Ratings per                   | IEC/EN 60664-1 |
| Nominal voltage (III/3)       | 400 V          |
| Rated impulse voltage (III/3) | 6 kV           |

Subject to changes. Please also observe the further product documentation!

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|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Rated current    | 25 A                                                                 |
| Legend (ratings) | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### Ratings per IEC/EN – Notes

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Note (rated current) | 25 A for 3-pole load<br>20 A for 4- and 5-pole load |
|----------------------|-----------------------------------------------------|

### Ratings per UL 1977

|                         |                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note for the US market  | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Rated voltage (UL 1977) | 600 V                                                                                                                                                                                                                                    |
| Rated current UL 1977   | 23 A                                                                                                                                                                                                                                     |

### General information

|                            |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 m $\Omega$ of contact resistance<br>approx. 0.25 m $\Omega$ contact transition plug/socket |
|----------------------------|------------------------------------------------------------------------------------------------------|

### Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 5 |
| Number of levels           | 1 |

### Connection 1

|             |   |
|-------------|---|
| Pole number | 5 |
|-------------|---|

### Physical data

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Pin spacing                          | 10 mm / 0.394 inches              |
| Width                                | 47 mm / 1.85 inches               |
| Height                               | 18.1 mm / 0.713 inches            |
| Height from the surface              | 14.6 mm / 0.575 inches            |
| Depth                                | 26 mm / 1.024 inches              |
| Solder pin length                    | 3.5 mm                            |
| Solder pin dimensions                | 1 x 0.8 mm                        |
| Drilled hole diameter with tolerance | 1.5 <sup>(-0.1 ... +0.1)</sup> mm |

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## Mechanical Data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Application                             | Control technology                                       |
| Coding                                  | B                                                        |
| Variable coding                         | Yes                                                      |
| Marking                                 | 1 2 3 PE N                                               |
| Potential marking                       | 1 2 3 PE N                                               |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)           |
| Retention force of a plug-in connection | Locked: > 80 N                                           |
| Unmating force of a plug-in connection  | Unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles                 | 200, without resistive load                              |
| Design                                  | angled                                                   |

## Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Male connector/plug                                                                                                                                                                                                                                                                                              |
| Connector (connection type)        | for PCB                                                                                                                                                                                                                                                                                                          |
| Mismating protection               | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection       | All WINSTA <sup>®</sup> components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole                                                                                    |
| Mating direction to the PCB        | 0 °                                                                                                                                                                                                                                                                                                              |
| Locking lever                      | yes                                                                                                                                                                                                                                                                                                              |
| Locking of plug-in connection      | locking lever                                                                                                                                                                                                                                                                                                    |
| Note on locking system             | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

## PCB contact

|                                     |                            |
|-------------------------------------|----------------------------|
| PCB contact                         | THT                        |
| Solder pin arrangement              | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2                          |

## Material data

Note (material data)

Subject to changes. Please also observe the further product documentation!

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Information on material specifications can be found here

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Color                       | gray                                    |
| Insulation material         | Polyamide (PA66)                        |
| Flammability class per UL94 | V0                                      |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)       |
| Contact material            | Copper or copper alloy; surface-treated |
| Contact plating             | Tin                                     |
| Fire load                   | 0.241 MJ                                |
| Weight                      | 10.7 g                                  |

## Environmental requirements

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Processing temperature                   | -5 ... +40 °C                              |
| Continuous operating temperature         | -35 ... +85 °C                             |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

## Commercial data

|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-05   |
| eCl@ss 9.0            | 27-44-06-05   |
| ETIM 8.0              | EC002560      |
| ETIM 7.0              | EC002560      |
| PU (SPU)              | 50 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4050821553755 |
| Customs tariff number | 85366990990   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                                | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |

Subject to changes. Please also observe the further product documentation!

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cURus  
Underwriters Laboratories Inc.

UL 1059

E 45172

## Counterpart



Item no. 770-245/062-000  
Socket; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; gray

[www.wago.com/770-245/062-000](http://www.wago.com/770-245/062-000)

## Required accessories

### Cover

Cover



Item no.: 770-360  
Lockout cap; for plugs; 5-pole; separable; yellow

[www.wago.com/770-360](http://www.wago.com/770-360)

## Optional accessories

### Coding

Coding



Item no.: 770-401  
Coding pin; for plugs; Plastic; gray

[www.wago.com/770-401](http://www.wago.com/770-401)

## Downloads

### CAD/CAE-Data

#### CAD data

| 2D/3D Models 770-855/011-000/062-000 | URL | Download |
|--------------------------------------|-----|----------|
|--------------------------------------|-----|----------|

#### PCB Design

| Symbol and Footprint 770-855/011-000/062-000 | URL | Download |
|----------------------------------------------|-----|----------|
|----------------------------------------------|-----|----------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro

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- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

#### Asset Administration Shell

|                                                    |     |          |
|----------------------------------------------------|-----|----------|
| Asset Administration Shell 770-855/011-000/062-000 | URL | Download |
|----------------------------------------------------|-----|----------|

#### Environmental Product Compliance

##### Compliance Search

|                                                          |     |          |
|----------------------------------------------------------|-----|----------|
| Environmental Product Compliance 770-855/011-000/062-000 | URL | Download |
| Plug for PCBs; angled; 5-pole; Cod. B; gray              |     |          |

#### Installation Notes

#### Product family

##### WINSTA® MIDI

[Show all products from the family](#)

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