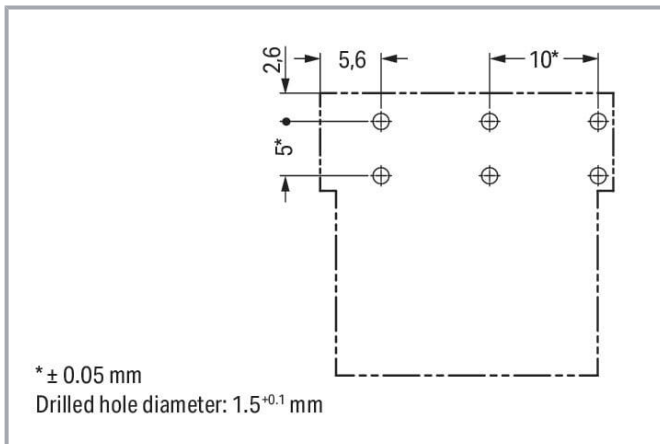
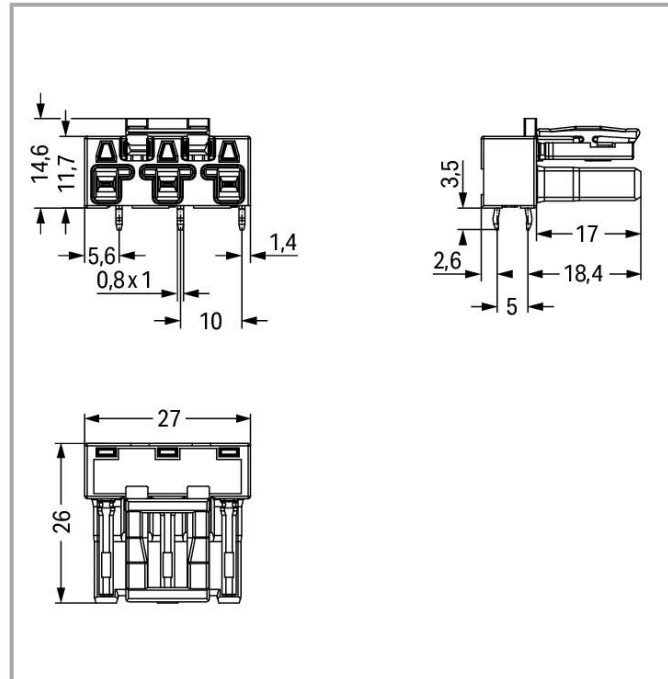
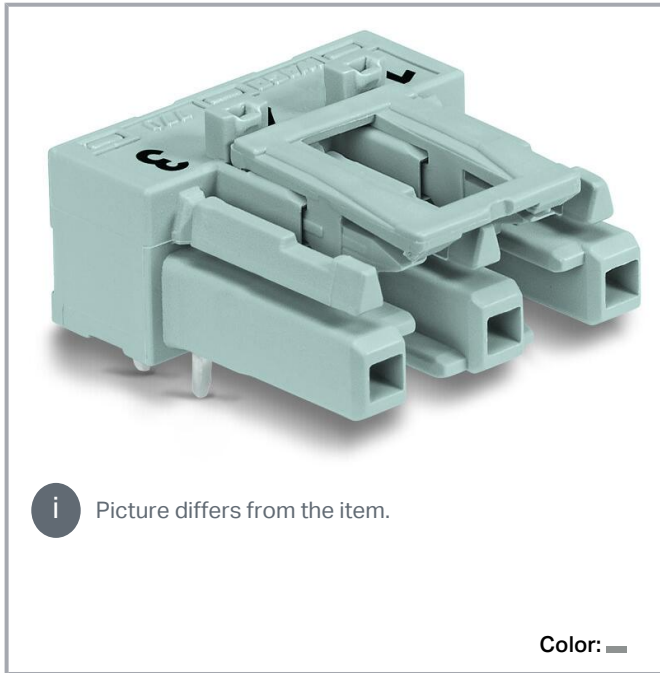




## Item description

### Female connector/socket WINSTA® MIDI 3-pole

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

WAGO GmbH & Co. KG  
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Phone: +49571 887-0 | Fax: +49571 887-169  
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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



The **WINSTA®** MIDI female connector/socket B coding pays off and space thanks to its compact dimensions. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO allow fast, vibration-proof, maintenance-free terminal connections. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Solutions like the **WINSTA®** MIDI pcb connectors with B coding are appropriate for applications involving process control, for example, for lighting or within data networks. This pcb connectors is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. The **WINSTA®** MIDI product line offers total flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting all installation requirements.

## Lower costs through fast commissioning and elimination of service expenses – solutions from **WINSTA®** MIDI

**WINSTA®** is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose durability and quality – with marking from WAGO makes the installation of electrical components substantially easier.

- effective protection against mismating
- for automation controllers
- with B coding for controllers, for example lighting fixtures and sun blinds
- convenient installation and commissioning

## 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)       | 250 V                                                     |
| Rated impulse voltage (III/3) | 4 kV                                                      |
| Rated current                 | 25 A                                                      |
| Legend (ratings)              | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### 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

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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 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |
|----------------------------|--------------------------------------------------------------------------------------|

## Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 3 |
| Number of levels           | 1 |

## Connection 1

|             |   |
|-------------|---|
| Pole number | 3 |
|-------------|---|

## Physical data

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Pin spacing                          | 10 mm / 0.394 inches              |
| Width                                | 27 mm / 1.063 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 |

## Mechanical Data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Application                             | Control technology                                       |
| Coding                                  | B                                                        |
| Variable coding                         | Yes                                                      |
| Marking                                 | L $\frac{1}{3}$ N                                        |
| Potential marking                       | L $\frac{1}{3}$ 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                              |

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|        |        |
|--------|--------|
| Design | angled |
|--------|--------|

## Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket                                                                                                                                                                                                                                                                                          |
| Connector (connection type)        | for PCB                                                                                                                                                                                                                                                                                                          |
| Mismating protection               | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection       | All <i>WINSTA</i> ® 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)        | 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                   | 0.131 MJ                                                 |
| Weight                      | 6.4 g                                                    |

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## 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)              | 100 pcs       |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4050821553205 |
| 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           |

## Counterpart



Item no. 770-253/060-000  
Plug; 3-pole; Cod. B; 4,00 mm<sup>2</sup>; gray

[www.wago.com/770-253/060-000](http://www.wago.com/770-253/060-000)

## Required accessories

|       |
|-------|
| Cover |
| Cover |

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

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Item no.: 770-201  
Lockout cap; 12-pole, separable; for sockets; Plastic; black

[www.wago.com/770-201](http://www.wago.com/770-201)



Item no.: 770-221  
Lockout cap; 12-pole, separable; for sockets; Plastic; white

[www.wago.com/770-221](http://www.wago.com/770-221)

Downloads  
CAD/CAE-Data

CAD data

|                                      |     |          |
|--------------------------------------|-----|----------|
| 2D/3D Models 770-843/011-000/060-000 | URL | Download |
|--------------------------------------|-----|----------|

PCB Design

|                                                                                                                                                                     |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Symbol and Footprint 770-843/011-000/060-000                                                                                                                        | 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
- 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

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



- 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 770-843/011-000/060-000 | URL | Download |
|----------------------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

|                                                          |     |          |
|----------------------------------------------------------|-----|----------|
| Environmental Product Compliance 770-843/011-000/060-000 | URL | Download |
| Socket for PCBs; angled; 3-pole; Cod. B; gray            |     |          |

Installation Notes

Product family

WINSTA® MIDI  
[Show all products from the family](#)

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