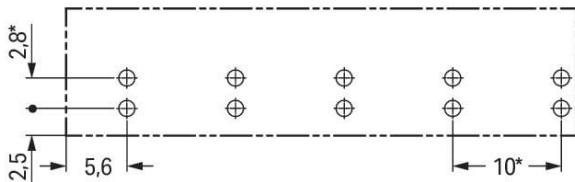


Color: ■■■■■



\*  $\pm 0.05$  mm

Drilled hole diameter:  $1.5^{+0.1}$  mm

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

## Item description

### Female connector/socket **WINSTA®** MIDI rated current 25 A

The **WINSTA®** MIDI female connector/socket 5-pole saves money and space thanks to its compact dimensions. Our immense number of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at all times. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Standard mains applications for almost any domain of use can be implemented with **WINSTA®** MIDI pcb connectors with A coding. Important parameters in the selection of a pcb connectors are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 25 A – therefore it is also suitable for powerful loads. The **WINSTA®** MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the integrated test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money.

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

The **WINSTA®** Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose durability and quality – with locking lever from WAGO makes the installation of electrical components substantially easier.

- effective protection against mismatching
- simple circuits
- suitable for any application
- convenient installation and commissioning

## Data

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

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

## 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 mΩ of contact resistance  
approx. 0.25 mΩ 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                               | 29.5 mm / 1.161 inches            |
| Height from the surface              | 26 mm / 1.024 inches              |
| Depth                                | 14.6 mm / 0.575 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                          | General mains applications                     |
| Coding                               | A  |
| Variable coding                      | Yes  |
| Marking                              | N $\pm$ L1 L2 L3                               |
| Potential marking                    | N $\pm$ L1 L2 L3                               |
| Mating force of a plug-in connection | approx. 20 ... 70 N (depending on pole number) |

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

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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.

|   |  |
|---|--|
| 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                                  | straight   |

## Plug-in connection

|                                    |  |
|------------------------------------|--|
| Contact type (pluggable connector) | Female connector/socket  |
| Connector (connection type)        | for PCB  |
| Mismating protection               | Yes  |
| Note on mismating protection       | All WINSTA® 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        | 90 °   |
| 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                       | black                                   |
| 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                                     |

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

|           |          |
|-----------|----------|
| Fire load | 0.219 MJ |
| Weight    | 10.3 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                  | 4044918684668 |
| Customs tariff number | 85366990990   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo   | Approval                                | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.         | EN 61535                 | 71-<br>123228    |
|  | CCA<br>DEKRA Certification B.V.         | IEC 61535                | NL-84761         |
|  | cURus<br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |

## Declarations of conformity and manufacturer's declarations

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

| Logo   | Approval   | Additional Approval Text | name |
|--|--|--------------------------|------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -    |

## Approvals for marine applications

| Logo  | Approval   | Additional Approval Text | Certificate name         |
|---|--|--------------------------|--------------------------|
|   | ABS<br>American Bureau of Shipping               | -                        | 19-<br>HG1868589-<br>PDA |
|   | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001Z6               |
|  | LR<br>Lloyds Register                            | IEC 61984                | LR22429487TA             |

## Counterpart

|  |   |  |
|--|---|--|
|  | Item no.770-115<br>Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm <sup>2</sup> ; black   | <a href="http://www.wago.com/770-115">www.wago.com/770-115</a>                   |
|  | Item no.770-315<br>Plug; with strain relief housing; 5-pole; Cod. A; 4,00 mm <sup>2</sup> ; black   | <a href="http://www.wago.com/770-315">www.wago.com/770-315</a>                   |
|  | Item no.770-215<br>Plug; 5-pole; Cod. A; 4,00 mm <sup>2</sup> ; black   | <a href="http://www.wago.com/770-215">www.wago.com/770-215</a>                   |
|  | Item no.770-415<br>Plug; 5-pole; Cod. A; 4,00 mm <sup>2</sup> ; black   | <a href="http://www.wago.com/770-415">www.wago.com/770-415</a>                   |
|  | Item no.771-9995/006-101<br>pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black | <a href="http://www.wago.com/771-9995/006-101">www.wago.com/771-9995/006-101</a> |
|  | Item no.771-9995/206-101<br>pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black  | <a href="http://www.wago.com/771-9995/206-101">www.wago.com/771-9995/206-101</a> |

## Required accessories

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

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



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 770-805

URL [Download](#)

#### CAE data

EPLAN Data Portal 770-805

URL [Download](#)

ZUKEN Portal 770-805

URL [Download](#)

### PCB Design

Symbol and Footprint 770-805

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

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

- 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 770-805

[URL](#)

[Download](#)

#### Environmental Product Compliance

##### Compliance Search

Environmental Product Compliance 770-805

[URL](#)

[Download](#)

Socket for PCBs; straight; 5-pole; Cod. A; black

#### Installation Notes

#### Product family

[WINSTA® MIDI](#)

[Show all products from the family](#)

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

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