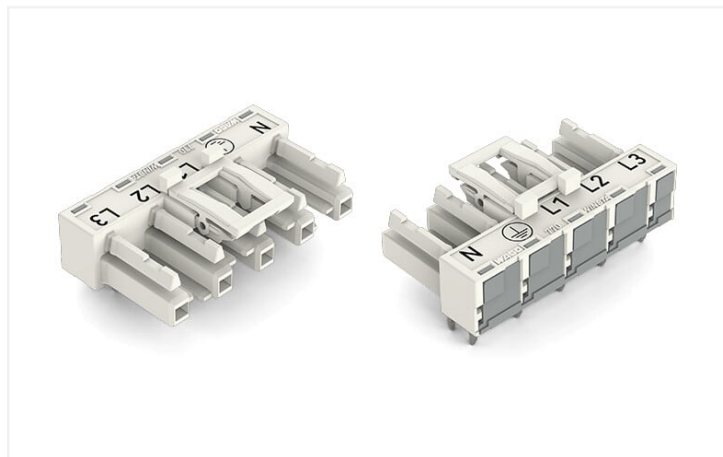
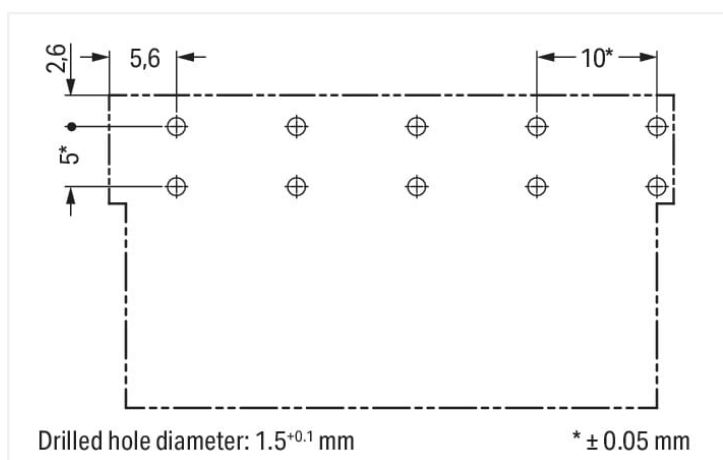




Dimensions in mm



Dimensions in mm

Permanently secure electrical installations thanks to exceptional connection technology: The *WINSTA®* MIDI female connector/socket. Our pluggable PCB connectors provide a versatile pluggable connection system for your devices that meets all the conditions for a stable device connection that is easy to put into operation. The coding options reduce installation errors, allowing fast, secure wiring of all components. Thanks to the color coding and mechanical A coding of *WINSTA®* MIDI pcb connectors, you can clearly distinguish different circuits. This pcb connector is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. *WINSTA®* MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy and maximally flexible electrical installation.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pcb connectors with protection against mismating from WAGO.

- effective protection against mismating
- simple circuits
- with A coding for a large number of uses
- fast, secure installation

## Electrical data

| Ratings per IEC/EN 60664-1 |       |     |    | Approvals per UL 1977 |       |
|----------------------------|-------|-----|----|-----------------------|-------|
| Overvoltage category       | III   | III | II | Rated voltage         | 600 V |
| Pollution degree           | 3     | 2   | 2  | Rated current         | 23 A  |
| Nominal voltage            | 400 V | -   | -  |                       |       |
| Rated surge voltage        | 6 kV  | -   | -  |                       |       |
| Rated current              | 25 A  | -   | -  |                       |       |

## General information

|                            |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|------------------------------------------------------------------------------------------|

## Connection data

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

## Mechanical data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Application                             | General mains applications                               |
| Coding                                  | A                                                        |
| Variable coding                         | Yes                                                      |
| Marking                                 | N L1 L2 L3                                               |
| Potential marking                       | N L1 L2 L3                                               |
| 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) | 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        | 0 °                                                                                                                                                                                                               |
| Locking lever                      | Yes                                                                                                                                                                                                               |
| Locking of plug-in connection      | Locking lever                                                                                                                                                                                                     |

### Plug-in connection

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)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | white                                                                                                                  |
| 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                   | 0.188 MJ                                                                                                               |
| Weight                      | 10.4 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                  | 4044918684774 |
| Customs tariff number | 85366990990   |

### Environmental Product Compliance

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



Approvals / Certificates

General approvals



| Approval                                | Standard  | Certificate Name |
|-----------------------------------------|-----------|------------------|
| CCA<br>DEKRA Certification B.V.         | EN 61535  | 71-123228        |
| 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

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                                              | Standard  | Certificate Name |
|-------------------------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping               | -         | 19-HG1868589-PDA |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -         | TAE00001Z6       |
| LR<br>Lloyds Register                                 | IEC 61984 | LR22429487TA     |

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--------------------------------------------------------|
| Environmental Product<br>Compliance<br>770-825/011-000 |



CAD/CAE-Data

| CAD data                        |
|---------------------------------|
| 2D/3D Models<br>770-825/011-000 |



| CAE data                             |
|--------------------------------------|
| EPLAN Data Portal<br>770-825/011-000 |
| ZUKEN Portal<br>770-825/011-000      |





1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



**Item No.: 771-9995/206-102**  
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>; white

**Item No.: 771-9995/006-102**  
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>; white

1.1.2 Male connector/plug



**Item No.: 770-235**  
Plug; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white



**Item No.: 770-435**  
Plug; 5-pole; Cod. A; 4,00 mm<sup>2</sup>; white



**Item No.: 770-135**  
Plug; with strain relief housing; 5-pole;  
Cod. A; 4,00 mm<sup>2</sup>; white



**Item No.: 770-335**  
Plug; with strain relief housing; 5-pole;  
Cod. A; 4,00 mm<sup>2</sup>; white

1.2 Required Accessories

1.2.1 Cover

1.2.1.1 Cover



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



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