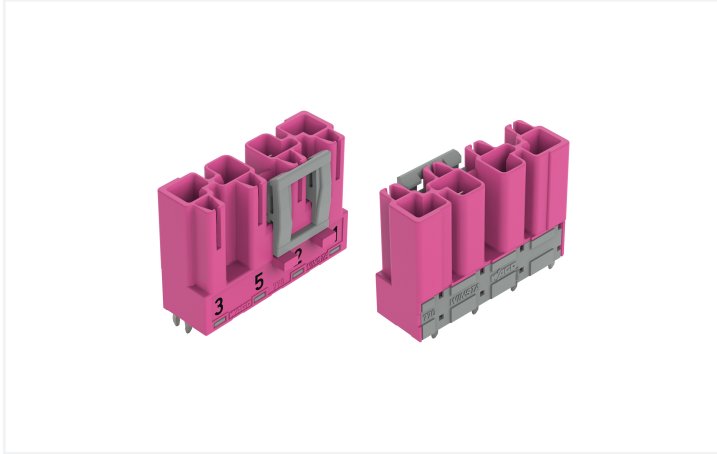


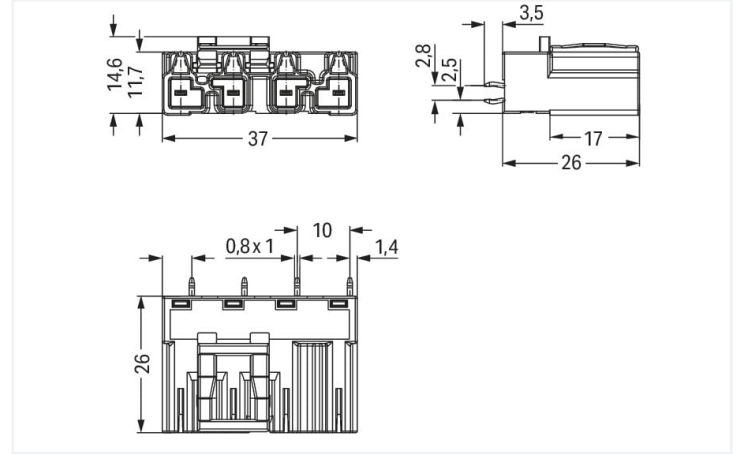
## Data Sheet | Item Number: 770-894/081-000

Plug for PCBs; straight; 4-pole; Cod. B; pink

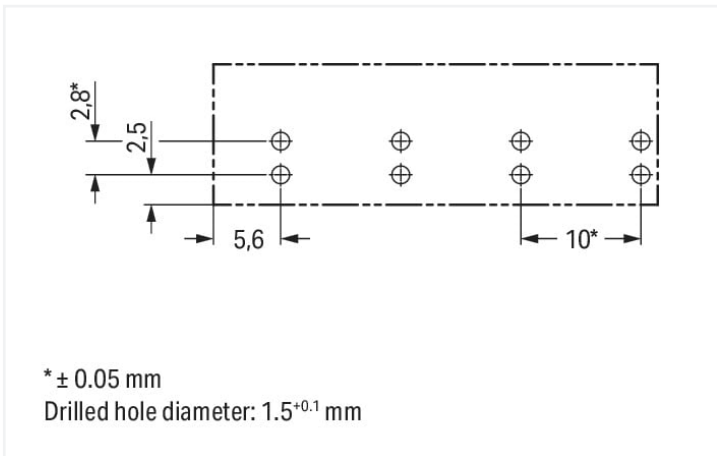
<https://www.wago.com/770-894/081-000>



Color: ■ pink



Dimensions in mm



Dimensions in mm

### Male connector/plug WINSTA® MIDI with protection against mismatching

The WINSTA® MIDI male connector/plug with locking latch are compact but outstanding PCB terminal blocks. They offer convenient operation and the greatest possible flexibility for installation. Our pluggable PCB connectors give you a universal pluggable connection system for your devices that meets all the requirements 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. B coding enables the WINSTA® MIDI pcb connectors to be used for application control in automation, robotics, and mechanical engineering. This pcb connector can be employed for a current load of up to 25 A. Thus, pcb connector can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe 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.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, even more reliable, and error-free. Using this pre-assembled system decreases assembly times and installation errors at the construction site. Choose quality and durability – the WINSTA® MIDI pcb connector with marking from WAGO makes the installation of electrical components significantly easier.

- pcb connector with protection against mismatching
- for automation controllers
- for automation controllers
- convenient installation and commissioning



| Notes     |                                                                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other pole markings<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

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

| Approvals per |  | UL 1977 |  |
|---------------|--|---------|--|
| Rated voltage |  | 600 V   |  |
| Rated current |  | 23 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 | 4 |
| Number of levels           | 1 |

| Connection 1 |   |
|--------------|---|
| Pole number  | 4 |

| Physical data                        |                                   |
|--------------------------------------|-----------------------------------|
| Pin spacing                          | 10 mm / 0.394 inches              |
| Width                                | 37 mm / 1.457 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                             | Control technology                                       |
| Coding                                  | B                                                        |
| Variable coding                         | Yes                                                      |
| Marking                                 | 3 5 2 1                                                  |
| Potential marking                       | 3 5 2 1                                                  |
| 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                                  | straight                                                 |

### Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Male connector/plug                                                                                                                                                                                                                                                                                              |
| 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        | 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)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | pink                                                                                                                   |
| 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                   | 0.19 MJ                                                                                                                |
| Weight                      | 8.8 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                  | 4050821555902 |
| Customs tariff number | 85366990990   |



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

Approvals / Certificates

General approvals



| Approval                                   | Standard | Certificate Name |
|--------------------------------------------|----------|------------------|
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1977  | E45171           |

Downloads

Environmental Product Compliance

| Compliance Search                                      |  |
|--------------------------------------------------------|--|
| Environmental Product<br>Compliance<br>770-894/081-000 |  |

CAD/CAE-Data

| CAD data                        |  |
|---------------------------------|--|
| 2D/3D Models<br>770-894/081-000 |  |

| CAE data                        |  |
|---------------------------------|--|
| ZUKEN Portal<br>770-894/081-000 |  |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



|                                                                                     |
|-------------------------------------------------------------------------------------|
| <a href="#">Item No.: 770-284/081-000</a><br>Socket; 4-pole; Cod. B; 4,00 mm²; pink |
|-------------------------------------------------------------------------------------|

1.2 Required Accessories

1.2.1 Cover

1.2.1.1 Cover



|                                                                                           |
|-------------------------------------------------------------------------------------------|
| <a href="#">Item No.: 770-360</a><br>Lockout cap; for plugs; 5-pole; separable;<br>yellow |
|-------------------------------------------------------------------------------------------|



|                          |
|--------------------------|
| 1.3 Optional Accessories |
| 1.3.1 Coding             |
| 1.3.1.1 Coding           |



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