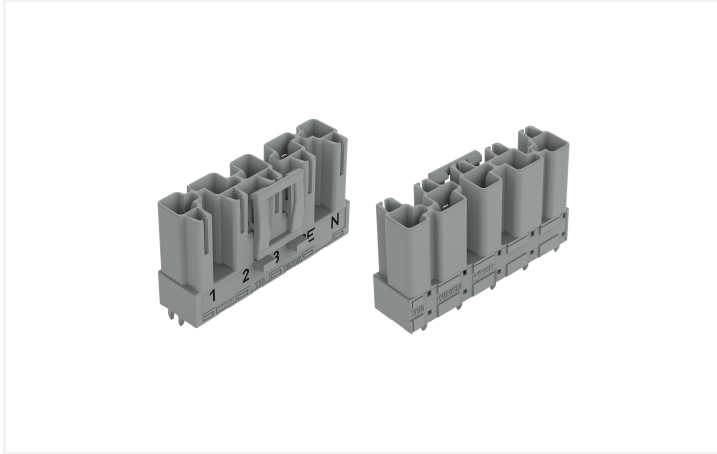


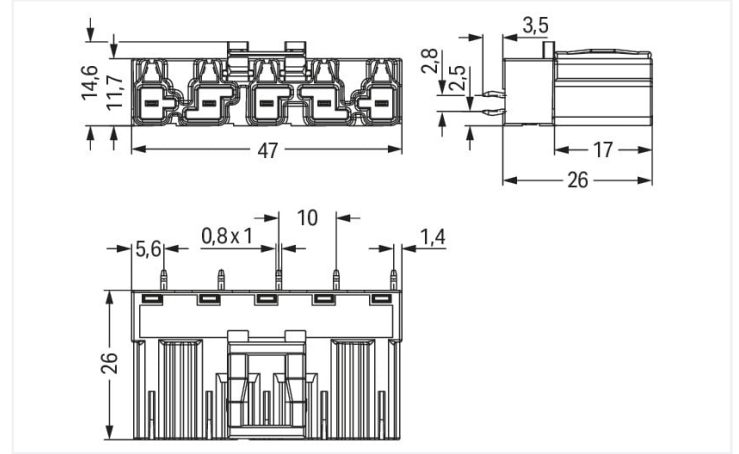
## Data Sheet | Item Number: 770-855/062-000

Plug for PCBs; straight; 5-pole; Cod. B; gray

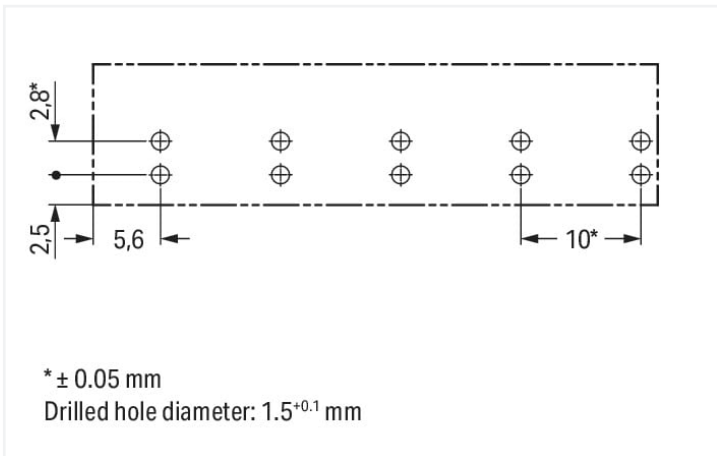
<https://www.wago.com/770-855/062-000>



Color: ■ gray



Dimensions in mm



Dimensions in mm

Male connector/plug *WINSTA*® MIDI rated current 25 A

WAGO offers various connection technology solutions for connecting devices, for example, the *WINSTA*® MIDI male connector/plug. Our enormous selection 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, secure wiring of all components. B coding enables the *WINSTA*® MIDI pcb connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. 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 achieves maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers customization for meeting various installation requirements.

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

The *WINSTA*® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pcb connectors with protection against mismatching
- simple circuits
- with B coding for use in process automation, such as lighting technology, among other examples
- quick replacement of defective units during ongoing operation



| 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 | 5 | <b>Connection 1</b> |
| Number of levels           | 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                             | 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                                  | straight                                                 |

### Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Male connector/plug                                                                                                                                                                                                                                                                                              |
| 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)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| 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                      | 10.8 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                  | 4050821553762 |
| 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 Inc. | UL 1977  | E45171           |
| cURus<br>Underwriters Laboratories Inc. | UL 1059  | E 45172          |

Downloads

Environmental Product Compliance

| Compliance Search                                   |  |
|-----------------------------------------------------|--|
| Environmental Product Compliance<br>770-855/062-000 |  |

CAD/CAE-Data

| CAD data                        |  |
|---------------------------------|--|
| 2D/3D Models<br>770-855/062-000 |  |

| CAE data                        |  |
|---------------------------------|--|
| ZUKEN Portal<br>770-855/062-000 |  |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



|                                                                     |
|---------------------------------------------------------------------|
| Item No.: 770-245/062-000<br>Socket; 5-pole; Cod. B; 4,00 mm²; gray |
|---------------------------------------------------------------------|



|                          |
|--------------------------|
| 1.2 Required Accessories |
| 1.2.1 Cover              |
| 1.2.1.1 Cover            |



Item No.: [770-360](#)  
Lockout cap; for plugs; 5-pole; separable;  
yellow

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



Item No.: [770-401](#)  
Coding pin; for plugs; Plastic; gray