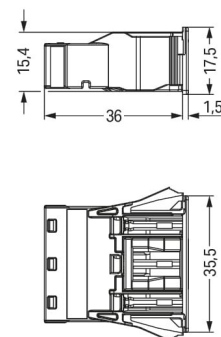
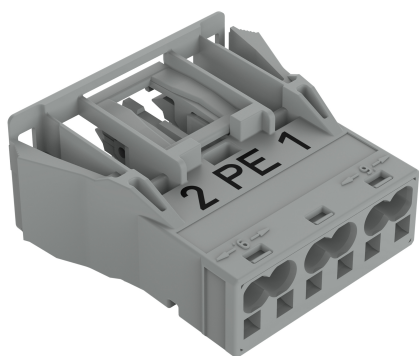
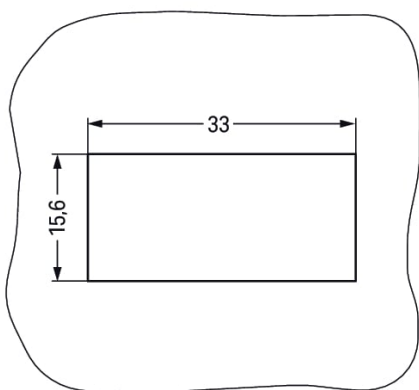


Color: ■ gray



Dimensions in mm



Dimensions in mm  
Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

Please note!



Female connector/socket WINSTA® MIDI B coding

For signal and power transmission: The WINSTA® MIDI female connector/socket with locking latch. WAGO pluggable installation connectors can be used when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with electrified contact elements. B coding enables the WINSTA® MIDI pluggable installation connectors to be used for control in applications in automation, mechanical engineering and robotics. This pluggable installation connector is designed for a current load of up to 25 A. Therefore, it can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the built-in test slot, connections can be checked 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 ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also reduce installation costs without compromising safety and quality: with locking lever reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with B coding for use in process automation, such as lighting technology, for example
- flexible installation to save space
- quick replacement of defective units during ongoing operation

| Notes     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note      | The snap-in connectors must be relieved of tensile and transverse forces. A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts. The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position). |
| 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 |     |    | Approvals per |  |
|                      |  | III            | III | II | UL 1977       |  |
| Overvoltage category |  | III            | III | II | Rated voltage |  |
| Pollution degree     |  | 3              | 2   | 2  | Rated current |  |
| Nominal voltage      |  | 250 V          | -   | -  |               |  |
| Rated surge voltage  |  | 4 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/socket |

| Connection data            |  |   |                                      |  |
|----------------------------|--|---|--------------------------------------|--|
| Connection points          |  | 6 | Connection 1                         |  |
| Total number of potentials |  | 3 | Connection technology                |  |
|                            |  |   | Push-in CAGE CLAMP®                  |  |
|                            |  |   | Actuation type                       |  |
|                            |  |   | Operating tool<br>Push-in            |  |
|                            |  |   | Nominal cross-section                |  |
|                            |  |   | 4 mm² / 12 AWG                       |  |
|                            |  |   | Solid conductor                      |  |
|                            |  |   | 0.5 ... 4 mm² / 20 ... 12 AWG        |  |
|                            |  |   | Solid conductor; push-in termination |  |
|                            |  |   | 1.5 ... 4 mm² / 16 ... 12 AWG        |  |
|                            |  |   | Stranded conductor                   |  |
|                            |  |   | 0.5 ... 2.5 mm² / 20 ... 14 AWG      |  |
|                            |  |   | Fine-stranded conductor              |  |
|                            |  |   | 0.5 ... 4 mm² / 20 ... 12 AWG        |  |

### Connection 1

|                                                            |                                              |
|------------------------------------------------------------|----------------------------------------------|
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 0.25 ... 2.5 mm <sup>2</sup> / 20 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm <sup>2</sup> / 16 AWG                 |
| Strip length                                               | 9 mm / 0.35 inches                           |
| Pole number                                                | 3                                            |
| Conductor entry direction to mating direction              | 0 °                                          |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches   |
| Width       | 35.5 mm / 1.398 inches |
| Height      | 17.5 mm / 0.689 inches |
| Depth       | 37.5 mm / 1.476 inches |

### Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | Control technology                                                                                            |
| Coding                                  | B                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | 2 PE 1                                                                                                        |
| Potential marking                       | 2 PE 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                                                                                   |
| Housing sheet thickness                 | 0.5 ... 2 mm / 0.02 ... 0.079 inches                                                                          |
| Mounting type                           | Snap-in flange                                                                                                |
| Protection type                         | IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!) |

### Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket                                                                                                                                                                                                                                                                                          |
| Connector (connection type)        | for conductor                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                |
| 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). |



| 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                   | 0.366 MJ                                                                                                               |
| Weight                      | 11.9 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           | 27-44-06-02   |
| eCl@ss 9.0            | 27-44-06-02   |
| ETIM 8.0              | EC002566      |
| ETIM 7.0              | EC002566      |
| PU (SPU)              | 100 pcs       |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4050821553298 |
| 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           |
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1059  | E 45172          |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
770-743/062-000

↓

Documentation

Bid Text

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| 770-743/062-000 | 19.02.2019 | xml<br>2.92 KB  | ↓ |
| 770-743/062-000 | 08.06.2015 | doc<br>23.50 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
770-743/062-000

↓

CAE data

WSCAD Universe  
770-743/062-000

↓

ZUKEN Portal  
770-743/062-000

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 770-253/062-000](#)  
Plug; 3-pole; Cod. B; 4,00 mm²; gray

1.2 Optional 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

[Item No.: 770-643](#)  
Lockout cap; 3-pole; for cutouts; Plastic; black

[Item No.: 770-693](#)  
Lockout cap; 3-pole; for cutouts; Plastic; white

1.2.2 Tool

1.2.2.1 Operating tool

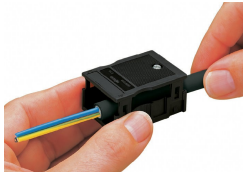


Item No.: 770-383  
Operating tool; 3-way; green



Item No.: 210-719  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

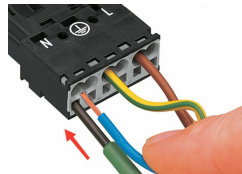
Installation Notes



We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



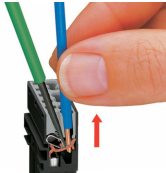
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



Insert the stripped solid conductor until it hits the backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.