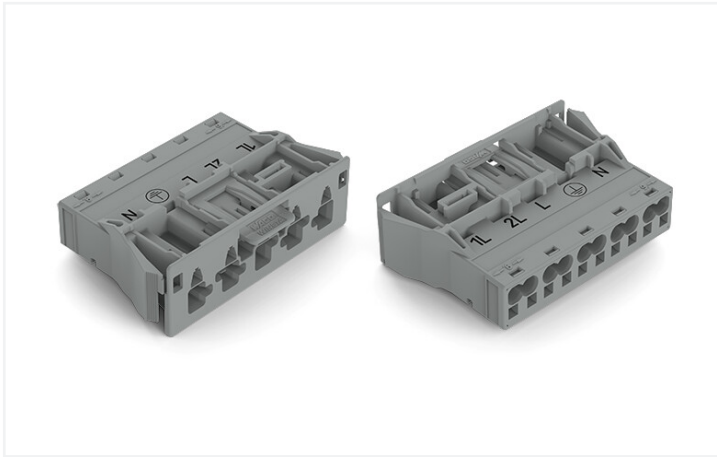


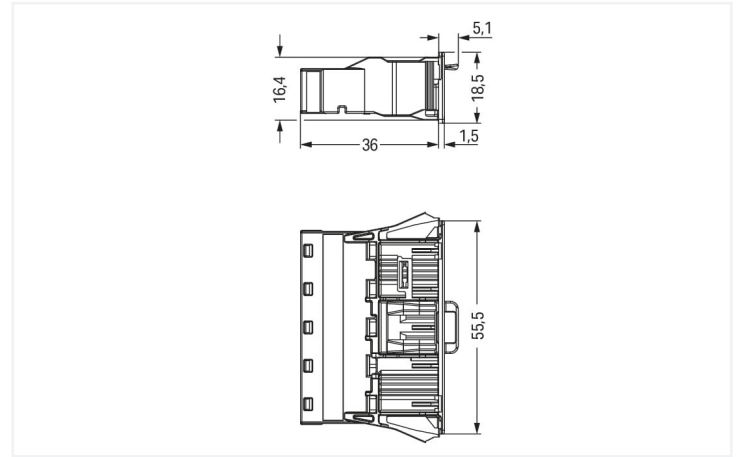
## Data Sheet | Item Number: 770-755/064-000

Snap-in plug; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; gray

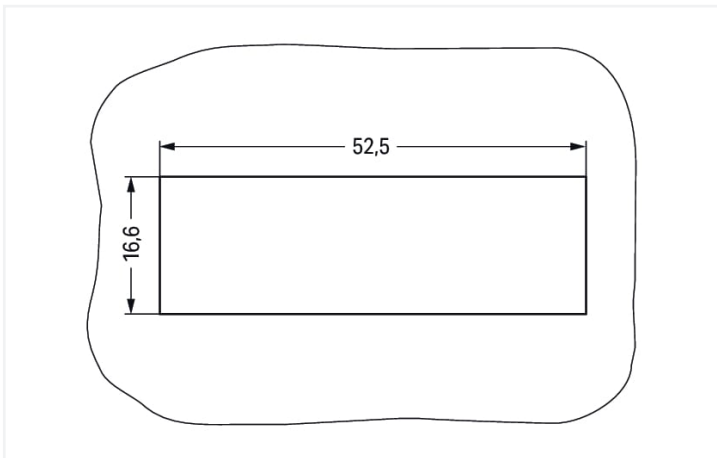
<https://www.wago.com/770-755/064-000>



Color: ■ gray



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

### Male connector/plug WINSTA® MIDI 5-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI male connector/plug 5-pole. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in seconds. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Solutions like the WINSTA® MIDI pluggable installation connectors with B coding are appropriate for applications related to process control, such as for lighting or within data networks. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy and maximally flexible installation.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Now you can also cut installation expenses without compromising quality and safety: with locking lever reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- simple circuits
- for automation controllers
- custom-engineered solutions
- 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 |     |    |
| 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/ socket |

| Connection data            |    |  |
|----------------------------|----|--|
| Connection points          | 10 |  |
| Total number of potentials | 5  |  |

| Connection 1                                               |                                  |
|------------------------------------------------------------|----------------------------------|
| 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    |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 1.5 mm² / 20 ... 16 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 0.25 ... 2.5 mm² / 20 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1.5 mm² / 16 AWG                 |
| Strip length                                               | 9 mm / 0.35 inches               |
| Pole number                                                | 5                                |
| Conductor entry direction to mating direction              | 0°                               |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 10 mm / 0.394 inches   |
| Width         | 55.5 mm / 2.185 inches |
| Height        | 18.5 mm / 0.728 inches |
| Depth         | 41.1 mm / 1.618 inches |

## Mechanical data

|                                         |                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Application                             | Control technology                                                                                            |
| Coding                                  | B                                                                                                             |
| Variable coding                         | Yes                                                                                                           |
| Marking                                 | 1L 2L L N                                                                                                     |
| Potential marking                       | 1L 2L L 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                                                                                   |
| 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) | Male connector/plug                                                                                                                                                                                                                                                                                              |
| Connector (connection type)        | for conductor                                                                                                                                                                                                                                                                                                    |
| 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                                                                                        |
| 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                   | 0.522 MJ                                                                                                               |
| Weight                      | 18 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)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143594325 |
| 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>770-755/064-000 |  |

Documentation

| Bid Text        |            |                 |  |
|-----------------|------------|-----------------|--|
| 770-755/064-000 | 19.02.2019 | xml<br>2.93 KB  |  |
| 770-755/064-000 | 08.06.2015 | doc<br>24.00 KB |  |

CAD/CAE-Data

| CAD data                        | CAE data                             |
|---------------------------------|--------------------------------------|
| 2D/3D Models<br>770-755/064-000 | EPLAN Data Portal<br>770-755/064-000 |
|                                 | WSCAD Universe<br>770-755/064-000    |
|                                 | ZUKEN Portal<br>770-755/064-000      |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [770-245/064-000](#)  
Socket; 5-pole; Cod. B; 4,00 mm²; gray

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: [770-645](#)  
Lockout cap; 5-pole; for cutouts; Plastic; black



Item No.: [770-695](#)  
Lockout cap; 5-pole; for cutouts; Plastic; white



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

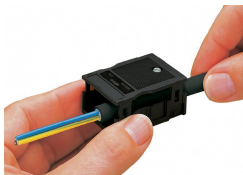
1.2.2 Tool

1.2.2.1 Operating tool

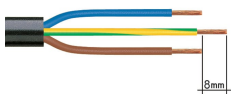


Item No.: [210-719](#)  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

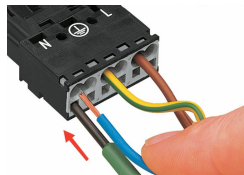
Installation Notes



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



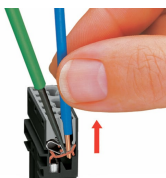
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a striped conductor until it hits the backstop.



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.