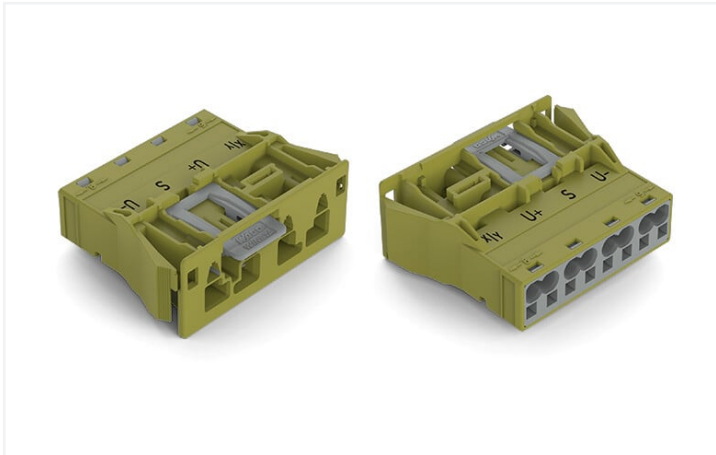
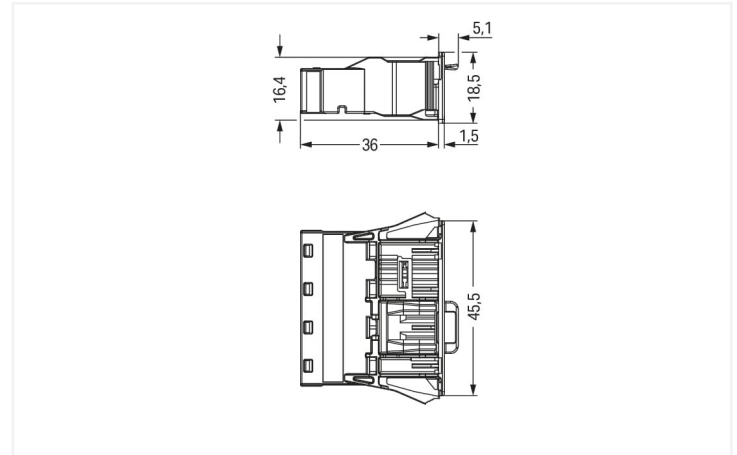


**Data Sheet | Item Number: 770-774/071-000**  
Snap-in plug; 4-pole; Cod. B; 4,00 mm<sup>2</sup>; light green

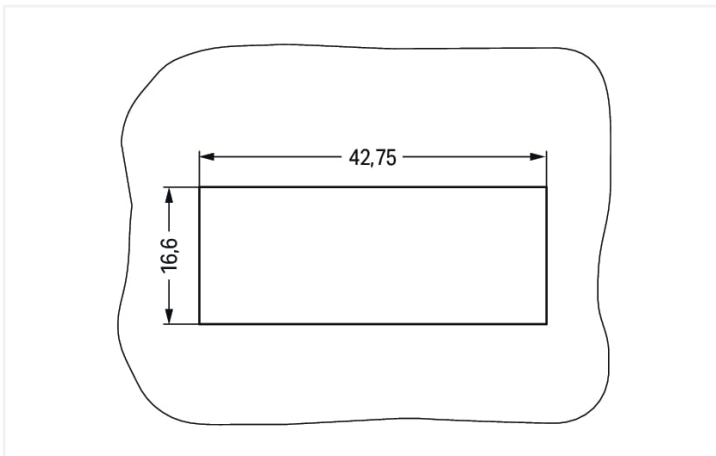
<https://www.wago.com/770-774/071-000>



Color: ■ light green



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

Male connector/plug **WINSTA®** MIDI 4-pole

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MIDI male connector/plug with protection type IP20. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of applications. For greater protection 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!)). This means that users' fingers will never come into contact with energised contact elements. Solutions like the **WINSTA®** MIDI pluggable installation connectors with B coding are suitable for applications involving 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, flexible, and secure electrical installation.

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 consequently faster, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with **WINSTA®** MIDI pluggable installation connectors with protection type IP20 from WAGO.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with B coding for use in process automation, such as lighting technology, for example
- ready for immediate use
- convenient installation and commissioning



| 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/<br>socket |     |    |

| Connection data                                            |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                     |                |                           |                       |                |                 |                               |                                      |                               |                    |                                 |                         |                               |                                                 |                                  |                                                   |                                  |                                                            |                  |              |                    |             |   |                                               |     |
|------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----------------|---------------------------|-----------------------|----------------|-----------------|-------------------------------|--------------------------------------|-------------------------------|--------------------|---------------------------------|-------------------------|-------------------------------|-------------------------------------------------|----------------------------------|---------------------------------------------------|----------------------------------|------------------------------------------------------------|------------------|--------------|--------------------|-------------|---|-----------------------------------------------|-----|
| Connection points                                          | 8                                | <div>Connection 1</div> <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool<br/>Push-in</td></tr><tr><td>Nominal cross-section</td><td>4 mm² / 12 AWG</td></tr><tr><td>Solid conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>1.5 ... 4 mm² / 16 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0.5 ... 2.5 mm² / 20 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 2.5 mm² / 20 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>1.5 mm² / 16 AWG</td></tr><tr><td>Strip length</td><td>9 mm / 0.35 inches</td></tr><tr><td>Pole number</td><td>4</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0 °</td></tr></table> | 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 | 4 | Conductor entry direction to mating direction | 0 ° |
| 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                                                | 4                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                     |                |                           |                       |                |                 |                               |                                      |                               |                    |                                 |                         |                               |                                                 |                                  |                                                   |                                  |                                                            |                  |              |                    |             |   |                                               |     |
| Conductor entry direction to mating direction              | 0 °                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                     |                |                           |                       |                |                 |                               |                                      |                               |                    |                                 |                         |                               |                                                 |                                  |                                                   |                                  |                                                            |                  |              |                    |             |   |                                               |     |
| Total number of potentials                                 | 4                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                     |                |                           |                       |                |                 |                               |                                      |                               |                    |                                 |                         |                               |                                                 |                                  |                                                   |                                  |                                                            |                  |              |                    |             |   |                                               |     |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 10 mm / 0.394 inches   |
| Width         | 45.5 mm / 1.791 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                                 | X/Y U+ S U-                                                                                                   |
| Potential marking                       | X/Y U+ S U-                                                                                                   |
| 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                       | light green                                                                                                            |
| 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                   | 0.316 MJ                                                                                                               |
| Weight                      | 14.7 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 |

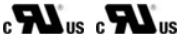


| Commercial data       |  |               |
|-----------------------|--|---------------|
| eCl@ss 10.0           |  | 27-44-06-02   |
| eCl@ss 9.0            |  | 27-44-06-02   |
| ETIM 8.0              |  | EC002566      |
| ETIM 7.0              |  | EC002566      |
| PU (SPU)              |  | 100 pcs       |
| Packaging type        |  | Box           |
| Country of origin     |  | DE            |
| GTIN                  |  | 4050821555636 |
| 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<br>770-774/071-000 |  |

Documentation

| Bid Text        |            |                 |  |
|-----------------|------------|-----------------|--|
| 770-774/071-000 | 19.02.2019 | xml<br>2.93 KB  |  |
| 770-774/071-000 | 08.06.2015 | doc<br>24.50 KB |  |



| CAD/CAE-Data                    |                                      |
|---------------------------------|--------------------------------------|
| CAD data                        | CAE data                             |
| 2D/3D Models<br>770-774/071-000 | EPLAN Data Portal<br>770-774/071-000 |
|                                 | WSCAD Universe<br>770-774/071-000    |
|                                 | ZUKEN Portal<br>770-774/071-000      |

| 1 Compatible Products         |
|-------------------------------|
| 1.1 System counterpart        |
| 1.1.1 Female connector/socket |



Item No.: [770-264/071-000](#)  
Socket; 4-pole; Cod. B; 4,00 mm²; light green

| 1.2 Optional Accessories |
|--------------------------|
| 1.2.1 Coding             |
| 1.2.1.1 Coding           |



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

| 1.2.2 Cover   |
|---------------|
| 1.2.2.1 Cover |



Item No.: [770-644](#)  
Lockout cap; 4-pole; for cutouts; Plastic; black



Item No.: [770-694](#)  
Lockout cap; 4-pole; for cutouts; Plastic; white



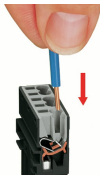
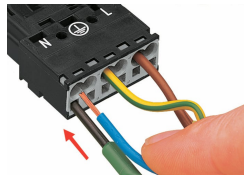
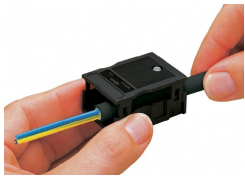
Item No.: [770-360](#)  
Lockout cap; for plugs; 5-pole; separable; yellow

| 1.2.3 Tool             |
|------------------------|
| 1.2.3.1 Operating tool |



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

Installation Notes

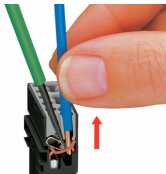


We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.

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 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.