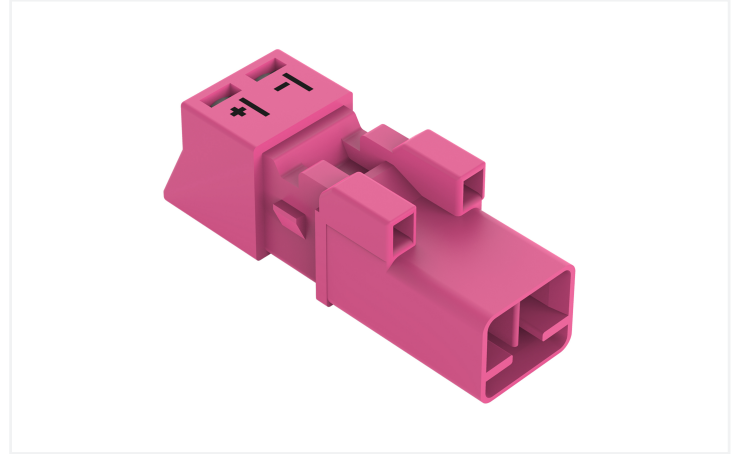
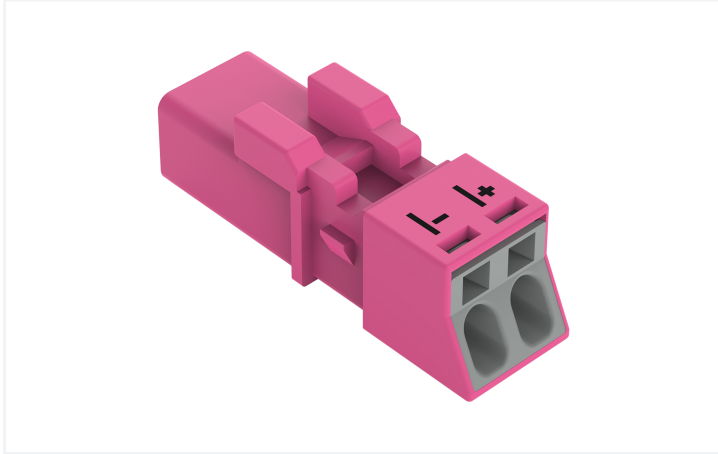
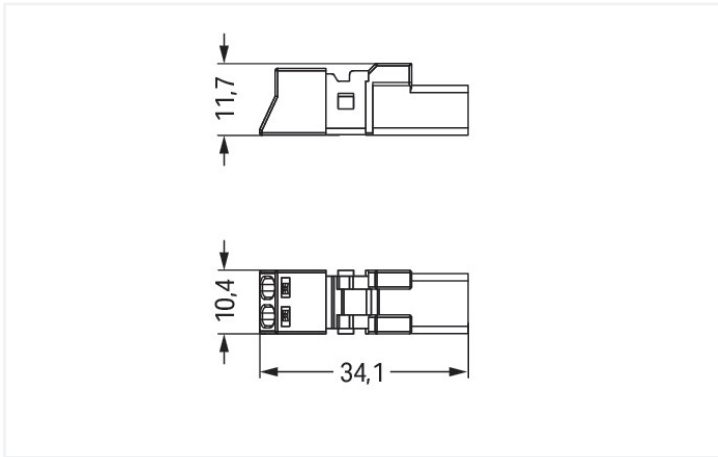




Color: ■ pink



Dimensions in mm

#### Male connector/plug WINSTA® MINI 2-pole

The WINSTA® MINI male connector/plug B coding provides the foundation for installation of solid and fine-stranded conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. Solutions like the WINSTA® MINI pluggable installation connectors with B coding are suitable for process control, such as for lighting or within data networks. Especially if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantageous properties. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections.

Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MINI

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose quality and durability – with protection type IP20 from WAGO makes the installation of electrical components substantially easier.

- effective protection against mismatching
- consistent IP40 protection
- for automation controllers
- custom-engineered solutions
- convenient installation and commissioning



Notes

General safety information

NOTICE: Observe installation and safety instructions!

- Nur von Elektrofachkraft oder einer für die Tätigkeit elektrisch unterwiesenen Person (EUP nach DIN VDE 0105-100) anzuwenden!
- Nicht unter Spannung/Last installieren!
- Nur für bestimmungsgemäßen Gebrauch einsetzen!
- Nationale Vorschriften/Normen/Richtlinien beachten!
- Technische Daten der Produkte beachten!
- Auf die richtige Polbelegung achten!
- Keine beschädigten/verschmutzten Komponenten verwenden!
- Leiterarten, -querschnitte, Abisolierlängen und Leitungsdurchmesser beachten!
- Leiter bis zum Anschlag einführen!
- Nur mit Verriegelungsklinke und Zugentlastung verwenden!
- Originalzubehör verwenden!

To be sold only with installation instructions!

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Variants:

| Electrical data                 |  |                |     |    |
|---------------------------------|--|----------------|-----|----|
| Ratings per                     |  | IEC/EN 60664-1 |     |    |
| Overvoltage category            |  | III            | III | II |
| Pollution degree                |  | 3              | 2   | 2  |
| Nominal voltage                 |  | 250 V          | -   | -  |
| Rated impulse withstand voltage |  | 4 kV           | -   | -  |
| Rated current                   |  | 16 A           | -   | -  |

| Approvals per |  | UL 1977 |
|---------------|--|---------|
| Rated voltage |  | 600 V   |
| Rated current |  | 14 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            |   |
|----------------------------|---|
| Clamping units             | 2 |
| Total number of potentials | 2 |

| Connection 1                                               |                                   |
|------------------------------------------------------------|-----------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®               |
| Actuation type                                             | Operating tool<br>Push-in         |
| Nominal cross-section                                      | 1.5 mm² / 16 AWG                  |
| Solid conductor                                            | 0.25 ... 1.5 mm² / 22 ... 16 AWG  |
| Solid conductor; push-in termination                       | 0.75 ... 1.5 mm² / 20 ... 16 AWG  |
| Stranded conductor                                         | 0.25 ... 1 mm² / 22 ... 18 AWG    |
| Fine-stranded conductor                                    | 0.25 ... 1.5 mm² / 22 ... 16 AWG  |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 0.75 mm² / 22 ... 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 0.25 ... 0.75 mm² / 22 ... 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 20 AWG                 |
| Strip length                                               | 9 mm / 0.35 inches                |
| Pole number                                                | 2                                 |
| Conductor entry direction to mating direction              | 0°                                |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 4.4 mm / 0.173 inches  |
| Width       | 10.4 mm / 0.409 inches |
| Height      | 11.7 mm / 0.461 inches |
| Depth       | 34.1 mm / 1.343 inches |

### Mechanical data

|                                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Use                                     | Control technology                                       |
| Coding                                  | B                                                        |
| Variable coding                         | No                                                       |
| Marking                                 | I- I+                                                    |
| Potential marking                       | I- I+                                                    |
| 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                              |
| Protection type                         | IP20; IP40 when mated with strain relief housing         |

### Plug-in connection

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Male connector/plug                                                                                                                                                                                                                                                                                              |
| 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                      | Can be retrofitted                                                                                                                                                                                                                                                                                               |
| 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="#">Information on material specifications can be found here</a> |
| Color                              | pink                                                                     |
| Cover color                        | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | 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                          | 0.056 MJ                                                                 |
| Weight                             | 2.5 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       |               |
|-----------------------|---------------|
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4055143499590 |
| Customs tariff number | 85366990990   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121402             |
| eCl@ss 10.0            | 27-44-06-05          |
| eCl@ss 9.0             | 27-44-06-05          |
| ETIM 9.0               | EC002560             |
| ETIM 10.0              | EC002560             |
| ECCN                   | NO US CLASSIFICATION |

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

| Approvals / Certificates                                                           |           |                                                            |
|------------------------------------------------------------------------------------|-----------|------------------------------------------------------------|
| General approvals                                                                  |           | Declarations of conformity and manufacturer's declarations |
|  |           |                                                            |
| Approval                                                                           | Standard  | Certificate Name                                           |
| CB<br>DEKRA Certification B.V.                                                     | IEC 61984 | NL-64351                                                   |
| CB<br>DEKRA Certification B.V.                                                     | EN 61984  | 71-112993                                                  |
|                                                                                    |           |                                                            |
| Approval                                                                           | Standard  | Certificate Name                                           |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                            | -         | -                                                          |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG                            | -         | -                                                          |

| Approvals for marine applications                                                                                                                                 |          |                  |                  |                       |          |              |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|------------------|-----------------------|----------|--------------|--|--|
|                                                                                 |          |                  |                  |                       |          |              |  |  |
| <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>LR<br/>Lloyds Register</td><td>EN 61535</td><td>LR23317167TA</td></tr></table> | Approval | Standard         | Certificate Name | LR<br>Lloyds Register | EN 61535 | LR23317167TA |  |  |
| Approval                                                                                                                                                          | Standard | Certificate Name |                  |                       |          |              |  |  |
| LR<br>Lloyds Register                                                                                                                                             | EN 61535 | LR23317167TA     |                  |                       |          |              |  |  |



Downloads

Environmental Product Compliance

|                                  |  |  |   |
|----------------------------------|--|--|---|
| Compliance Search                |  |  |   |
| Environmental Product Compliance |  |  | ↓ |
| 890-292/080-000                  |  |  |   |

Documentation

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| Bid Text        |            |                 |   |
| 890-292/080-000 | 19.02.2019 | xml<br>2.98 KB  | ↓ |
| 890-292/080-000 | 08.06.2015 | doc<br>23.50 KB | ↓ |

CAD/CAE-Data

|                 |   |
|-----------------|---|
| CAD data        |   |
| 2D/3D Models    |   |
| 890-292/080-000 | ↓ |

|                 |   |
|-----------------|---|
| CAE data        |   |
| WSCAD Universe  |   |
| 890-292/080-000 | ↓ |
| ZUKEN Portal    |   |
| 890-292/080-000 | ↓ |

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 890-111](#)  
Locking lever; for flying leads; for tool operation; black



[Item No.: 890-131](#)  
Locking lever; for flying leads; for tool operation; white



[Item No.: 890-101](#)  
Locking lever; for manual operation; black



[Item No.: 890-121](#)  
Locking lever; for manual operation; white

1.1.2 Strain relief

1.1.2.1 Strain relief housing



[Item No.: 890-502/342-000](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; black



[Item No.: 890-512/342-000](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; white



[Item No.: 890-502](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; black



[Item No.: 890-512](#)  
Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 30 mm; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



**Item No.: 897-2001**  
Protective cap; Type1; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



**Item No.: 890-310**  
Mounting carrier; 2- to 5-pole; for flying leads; black



**Item No.: 890-311**  
Mounting carrier; 2- to 5-pole; for flying leads; white

1.2.3 Tool

1.2.3.1 Operating tool



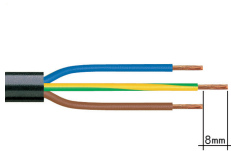
**Item No.: 890-382**  
Operating tool; 2-way; green



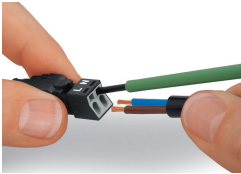
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

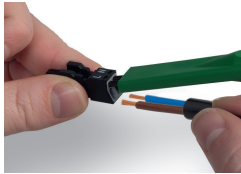
Conductor termination



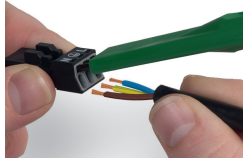
- 1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
- 2. Strip length = 9 mm
- 3. Extended ground conductor = 8 mm



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. Terminate solid conductors by simply pushing them in.

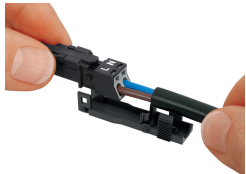


To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.



To terminate fine-stranded conductors, open clamping units via operating tool (890-383) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.

Installation



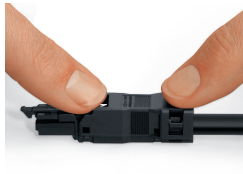
Latch the wired connector into the base of the strain relief housing.



Push down strain relief clamp by hand.



Push down strain relief clamp with 2.5 mm screwdriver alternately on both sides.



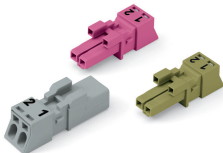
Latch the top of the strain relief housing.

Installation



The printed marking of the connector is clearly visible in the openings of the strain relief housing.

Mismating protection



B-coded connectors with different colors can be plugged together.

**Important note:**  
Different colors and/or pole markings are used for circuit identification. Only connectors of the same color and same pole marking must be plugged together.



B-coded connectors (shown in gray) not only differ in color, but also in their design, making them incompatible with other coded connectors.

