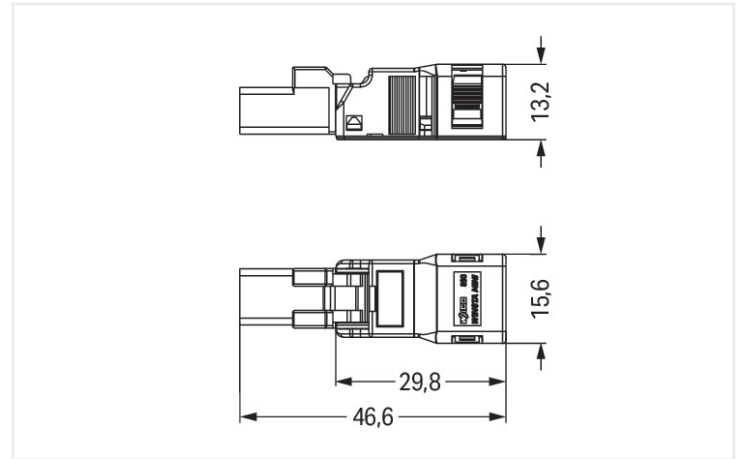
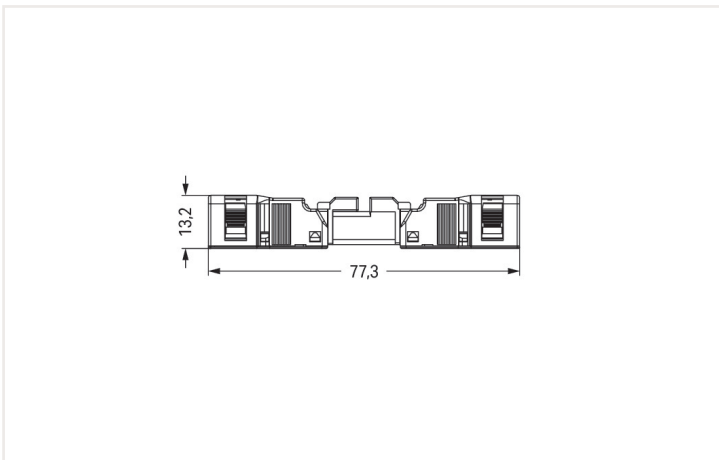




Color: ■ black



Dimensions in mm



Dimensions in mm  
Overall length when mated

#### Male connector/plug WINSTA® MINI rated current 16 A

The WINSTA® MINI male connector/plug A coding allows assembly of fine-stranded and solid conductors. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. Thanks to the color coding and mechanical A coding of WINSTA® MINI pluggable installation connectors, you can clearly distinguish different circuits. Where space is tight, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantageous properties. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and requires no screw connections. A range up to 17.5 mm can be used for the strip length.

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

The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Use of this pre-assembled system decreases time spent on assembly and errors during installation 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® MINI pluggable installation connectors with marking from WAGO.

- effective protection against mismatching
- consistent IP40 protection
- for any mains application
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

## Item includes



Item no.: 890-212

1

Plug; 2-pole; 1,50 mm<sup>2</sup>; black

Item no.: 890-502/342-000

1

Strain relief housing; 2-pole; with locking clip; for 1 cable; 3.8 ... 8.2 mm; 17.5 mm; black

## Electrical data

## Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Ratings per                   | IEC/EN 60664-1  |
| Nominal voltage (III/3)       | 250 V   |
| Rated impulse voltage (III/3) | 4 kV  |
| Rated current                 | 16 A  |
| Legend (ratings)              | (III / 3) △ Overvoltage category III / Pollution degree 3 |

## Ratings per UL

|                         |   |
|-------------------------|---|
| Note for the US market  | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office. |
| Rated voltage (UL 1977) | 600 V   |
| Rated current UL 1977   | 14 A  |

## General

|                            |  |
|----------------------------|--|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/<br>socket |
|----------------------------|--|

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 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 mm <sup>2</sup> / 16 AWG                  |
| Solid conductor  | 0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG  |
| Solid conductor; push-in termination                       | 0.75 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG  |
| Stranded conductor   | 0.25 ... 1 mm <sup>2</sup> / 22 ... 18 AWG    |
| Fine-stranded conductor                                    | 0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG  |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 0.25 ... 0.75 mm <sup>2</sup> / 22 ... 20 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm <sup>2</sup> / 20 AWG                 |
| Strip length   | 9 mm / 0.35 inches                            |
| Pole number  | 2   |
| Connectable sheathed cable diameter                        | 3.8 ... 8.2 mm                                |
| Conductor entry direction to mating direction              | 0°  |
| Strip length (outer insulation)                            | 17.5 mm                                       |

## Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 4.4 mm / 0.173 inches  |
| Width       | 15.6 mm / 0.614 inches |
| Height      | 13.2 mm / 0.52 inches  |
| Depth       | 46.5 mm / 1.831 inches |

## Mechanical Data

|   |  |
|---|--|
| Application                             | General mains applications                               |
| Coding                                  | A  |
| Variable coding                         | No   |
| Marking                                 | N L  |
| Potential marking                       | N L  |
| Mating force of a plug-in connection    | approx. 20 ... 70 N (depending on pole number)           |
| Retention force of a plug-in connection | Locked:  |
| 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                         | IP40   |

## 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). |
| Strain relief                      | Strain relief housing  |

## Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">Information on material data can be found here</a> |
| Color                       | black  |
| Cover color                 | gray   |
| Material group              | I  |
| 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                   | 0.121 MJ   |
| Weight                      | 4.8 g  |

## Environmental requirements

|  |  |
|--|--|
| Processing temperature                   | -5 ... +40 °C                              |
| Continuous operating temperature         | -35 ... +85 °C                             |
| Note on continuous operating temperature | Insulating parts for temperatures ≤ 105 °C |

## 1 Compatible products

### 1.1 System counterpart

#### 1.1.1 Cable assembly



**Item no.: 891-8992/105-101**  
pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; black



**Item no.: 891-8992/005-101**  
pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; black

#### 1.1.2 Distribution connector



**Item no.: 890-1634**  
h-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; black



**Item no.: 890-1636**  
h-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black



**Item no.: 890-1606**  
T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; black



**Item no.: 890-1615**  
T-distribution connector; 2-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black

#### 1.1.3 Female connector/socket



**Item no.: 890-702**  
Snap-in socket; 2-pole; Cod. A; 1,50 mm<sup>2</sup>; black



**Item no.: 890-802/011-000**  
Socket for PCBs; angled; 2-pole; Cod. A; black



**Item no.: 890-802**  
Socket for PCBs; straight; 2-pole; Cod. A; black



**Item no.: 890-202**  
Socket; 2-pole; Cod. A; 1,50 mm<sup>2</sup>; black



**Item no.: 890-102**  
Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm<sup>2</sup>; black



**Item no.: 890-202/342-000**  
Socket; with strain relief housing; 2-pole; Cod. A; 1,50 mm<sup>2</sup>; black

## 1.2 Required accessories

### 1.2.1 Locking system

#### 1.2.1.1 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