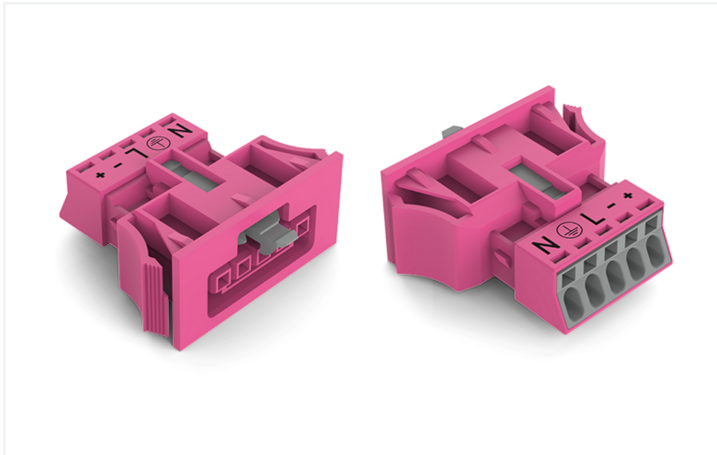


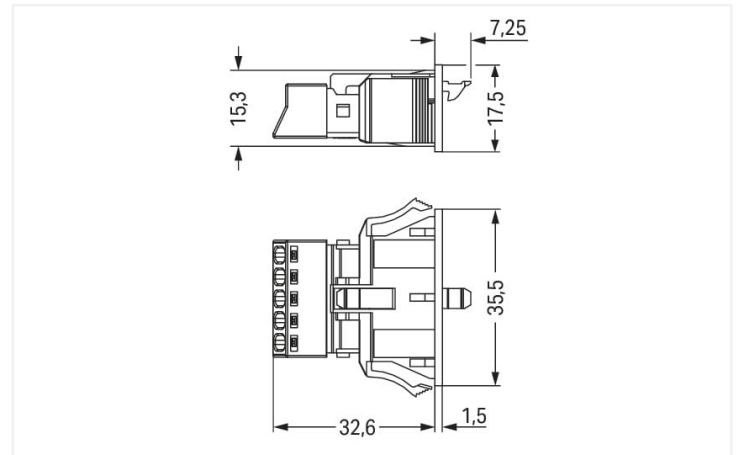
## Data Sheet | Item Number: 890-785/082-000

Snap-in socket; 5-pole; Cod. B; 1,50 mm<sup>2</sup>; pink

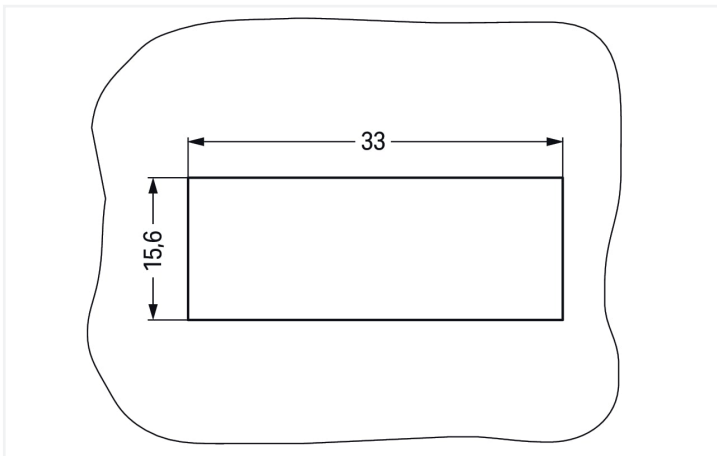
<https://www.wago.com/890-785/082-000>



Color: ■ pink



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

### Female connector/socket WINSTA® MINI B coding

The WINSTA® MINI female connector/socket with protection type IP40 allows installation of fine-stranded and solid conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. 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. Pluggable installation connectors with B coding from the WINSTA® MINI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Usage-specific pole marking is possible as well. WINSTA® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since as a result of LED technology; due to complex systems, these offer less and less space for the connection technology.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also lower installation costs without compromising quality and safety: with protection against mismatching reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with B coding for use in process automation, such as lighting technology, for instance
- ready for immediate use
- quick replacement of defective units during ongoing operation



| Notes     |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note      | The snap-in connectors must be relieved of tensile and transverse forces.<br>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.<br>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              |  | 16 A                                                                                 | -   | -  |
| Ratings per IEC/EN – Notes |  |                                                                                      |     |    |
| Rated current (note)       |  | 13 A for 3-pole load<br>10 A for 4- and 5-pole load                                  |     |    |
| Approvals per              |  | UL 1977                                                                              |     |    |
| Rated voltage              |  | 600 V                                                                                |     |    |
| Rated current              |  | 12 A                                                                                 |     |    |
| General information        |  |                                                                                      |     |    |
| Note on contact resistance |  | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |     |    |

| Connection data                                            |                                   |  |
|------------------------------------------------------------|-----------------------------------|--|
| Clamping units                                             | 5                                 |  |
| Total number of potentials                                 | 5                                 |  |
| 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                                                | 5                                 |  |
| Conductor entry direction to mating direction              | 0°                                |  |

| Physical data |                         |
|---------------|-------------------------|
| Pin spacing   | 4.4 mm / 0.173 inches   |
| Width         | 35.5 mm / 1.398 inches  |
| Height        | 17.5 mm / 0.689 inches  |
| Depth         | 39.85 mm / 1.569 inches |



| Mechanical data                         |                                                          |
|-----------------------------------------|----------------------------------------------------------|
| Use                                     | Control technology                                       |
| Coding                                  | B                                                        |
| 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: > 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                         | IP40                                                     |

| Plug-in connection                 |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact type (pluggable connector) | Female connector/socket                                                                                                                                                                                                                                                                                          |
| Connector (connection type)        | for conductor                                                                                                                                                                                                                                                                                                    |
| Mismating protection               | Yes                                                                                                                                                                                                                                                                                                              |
| Note on mismating protection       | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole                                                                                                |
| Locking lever                      | Yes                                                                                                                                                                                                                                                                                                              |
| Locking of plug-in connection      | Locking lever                                                                                                                                                                                                                                                                                                    |
| Note on locking system             | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | pink                                                                     |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   | Copper or copper alloy; surface-treated                                  |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.058 MJ                                                                 |
| Weight                             | 9 g                                                                      |

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



| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-06-02   |
| eCl@ss 9.0            | 27-44-06-02   |
| ETIM 9.0              | EC002566      |
| ETIM 8.0              | EC002566      |
| PU (SPU)              | 50 (50) pcs   |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4055143428095 |
| Customs tariff number | 85366990990   |

| 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.                                                   | EN 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

|  |          |                  |
|------------------------------------------------------------------------------------|----------|------------------|
| Approval                                                                           | Standard | Certificate Name |
| LR<br>Lloyds Register                                                              | EN 61535 | 08/20047 (E2)    |

Downloads

Environmental Product Compliance

| Compliance Search                                      |                                                                                     |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product<br>Compliance<br>890-785/082-000 |  |



Documentation

| Bid Text        |            |                 |  |
|-----------------|------------|-----------------|--|
| 890-785/082-000 | 08.06.2015 | doc<br>24.00 KB |  |
| 890-785/082-000 | 19.02.2019 | xml<br>2.92 KB  |  |

CAD/CAE-Data

| CAD data                        |
|---------------------------------|
| 2D/3D Models<br>890-785/082-000 |



| CAE data                             |
|--------------------------------------|
| EPLAN Data Portal<br>890-785/082-000 |
| WSCAD Universe<br>890-785/082-000    |
| ZUKEN Portal<br>890-785/082-000      |



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 890-295/082-000](#)  
Plug; 5-pole; 1,50 mm²; pink

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



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



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

1.2.2 Tool

1.2.2.1 Operating tool



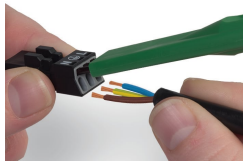
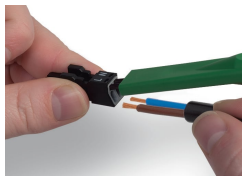
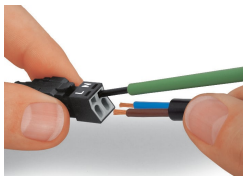
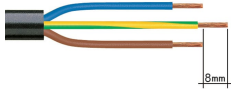
[Item No.: 890-385](#)  
Operating tool; 5-way; green



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

Installation Notes

Conductor termination



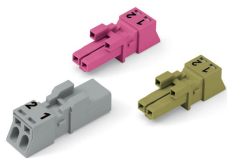
1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm

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.

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.