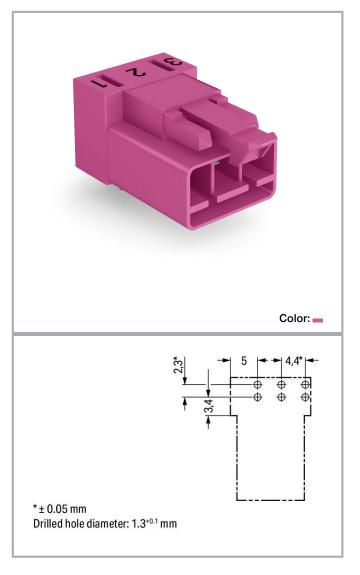
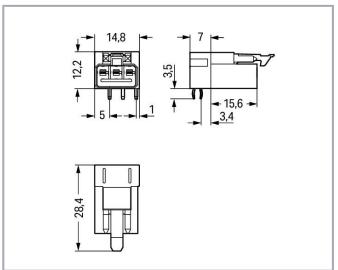
Plug for PCBs; angled; 3-pole; Cod. B; pink

www.wago.com/890-893/011-000







Item description

Male connector/plug WINSTA® MINI B coding

The WINSTA® MINI male connector/plug with protection against mismating is economical and space thanks to its compact dimensions. The

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pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO allow maintenance free terminal connections. The coding options reduce installation errors, allowing fast, secure wiring of all components. Pcb connectors with B coding from the WINSTA® MINI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for light, pumps or, sun blinds. Customer-specific pole marking is possible in addition. Where space is tight, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its strengths. It is very compact, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it also saves time, since the installation is low-maintenance and can be performed without screw connections.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

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

- pcb connector with protection against mismating
- consistent IP40 protection
- with B coding for controllers, for example sun blinds and lighting fixtures
- rapid, structured electrical installation

Data Notes

| Variants: | Other pole markings |
|-----------|--|
| | Other versions (or variants) can be requested from WAGO Sales or |
| | configured at https://configurator.wago.com/. |

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 |
| Note (rated current) | 13 A for 3-pole load |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

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Ratings per UL 1977

| 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 app | pprox. 1 m Ω of contact resistance |
|--------------------------------|---|
| арр | pprox. 0.25 mΩ contact transition plug/socket |

Connection data

| Total number of potentials | 3 |
|----------------------------|---|
| Number of levels | 1 |

Connection 1

| Pole number | 3 |
|-------------|---|
|-------------|---|

Physical data

| Pin spacing | 4.4 mm / 0.173 inches |
|--------------------------------------|--------------------------|
| Width | 14.8 mm / 0.583 inches |
| Height | 15.7 mm / 0.618 inches |
| Height from the surface | 12.2 mm / 0.48 inches |
| Depth | 28.4 mm / 1.118 inches |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.3 ^(±0.1) mm |

Mechanical Data

| Application | Control technology |
|-------------------|--------------------|
| Coding | В |
| Variable coding | No |
| Marking | 3 2 1 |
| Potential marking | 3 2 1 |

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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| 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 |
| | 100, with resistive load $I_N = 16 \text{ A}$, tested (1.5 mm ²) |
| Design | angled |
| Plug-in connection | |
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for PCB |
| Mismating protection | Yes |
| Note on mismating protection | All WINSTA® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Mating direction to the PCB | 0° |
| 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). |
| PCB contact | |
| PCB contact | ТНТ |
| Solder pin arrangement | 2 in-line solder pins/pole |
| Number of solder pins per potential | 2 |
| Material Data | |
| Note (material data) | |
| | Information on material specifications can be found here |
| Color | pink |
| Subject to changes. Please also observe the further produc | ct documentation! |
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| Cover color | gray |
|-----------------------------|---|
| Material group | 1 |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | VO |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.064 MJ |
| Weight | 3.3 g |
| | |

Environmental requirements

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

Commercial data

| eCl@ss 10.0 | 27-44-06-05 |
|-----------------------|---------------|
| eCl@ss 9.0 | 27-44-06-05 |
| ETIM 8.0 | EC002560 |
| ETIM 7.0 | EC002560 |
| PU (SPU) | 100 pcs |
| Packaging type | box |
| Country of origin | PL |
| GTIN | 4050821696186 |
| Customs tariff number | 85366990990 |
| | |

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--------------------------|--------------------------|---------------------|
| | СВ | IEC 61984 | NL-64351 |
| | DEKRA Certification B.V. | 120 01304 | NE 04001 |
| | СВ | EN 61984 | 71-112993 |
| | DEKRA Certification B.V. | | |

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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| C Was US |
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cURus UL 1977 E4

Underwriters Laboratories Inc.

E45171



KEMA/KEUR EN 60320 DEKRA Certification B.V. 2148952.04

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|---------------------|
| CE | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| UK | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------------------|--|--------------------------|---------------------|
| DNV DNVEDMINE | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |
| DA COLOR | LR Lloyds Register | EN 61535 | 08/20047 (E2) |

Counterpart



Item no.890-283 Socket; 3-pole; Cod. B; 1,50 mm²; pink

www.wago.com/890-283

Item no.891-8993/005-107

pre-assembled interconnecting cable; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm²; pink

www.wago.com/891-8993/005-107

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Item no.891-8993/105-107

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; pink

www.wago.com/891-8993/105-107

Downloads CAD/CAE-Data

PCB Design

Symbol and Footprint 890-893/011-000

URL Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

CAE data

ZUKEN Portal 890-893/011-000

URL

Download

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CAD data

2D/3D Models 890-893/011-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-893/011-000

Plug for PCBs; angled; 3-pole; Cod. B; pink

URL Download

Installation Notes

Product family

WINSTA® MINI

Show all products from the family

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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