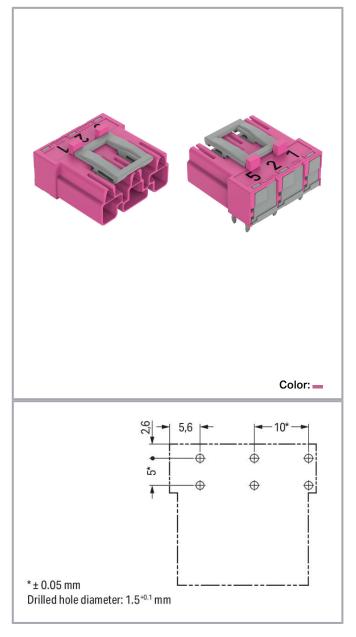
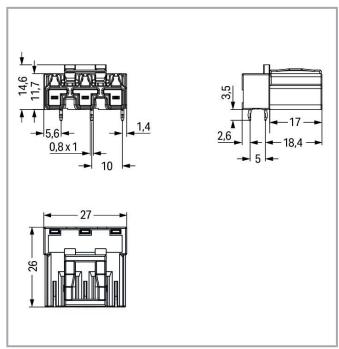
Plug for PCBs; angled; 3-pole; Cod. B; pink

www.wago.com/770-893/011-000/081-000







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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-893/011-000/081-000



Item description

Male connector/plug WINSTA® MIDI rated current 25 A

Secure electrical installations through special connection technology: The WINSTA® MIDI male connector/plug. Our pluggable PCB connectors provide a versatile pluggable connection system for your devices that meets all the requirements for a stable device connection. For greater protection in electrical installations, the pcb connectors is provided with mechanical protection against mismating. B coding enables the WINSTA® MIDI pcb connectors to be used for control in applications in automation, mechanical engineering and robotics. This pcb connectors can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. The WINSTA® MIDI product line offers flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it achieves time-saving, error-free installation and offers customization for meeting all installation requirements.

WINSTA® MIDI solutions for your electrical installation – protected against mismating 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 reduce installation costs without compromising safety and quality: with marking reduces the need for servicing and prevents unnecessary downtime.

- -
- effective protection against mismating
- for automation controllers
- for automation controllers
- quick replacement of defective units during ongoing operation

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 |

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-893/011-000/081-000

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com



| Rated current | 25 A |
|--|--|
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |
| 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 16 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 | 23 A |
| General information | |
| Note on contact resistance | approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket |
| Connection data | |
| Total number of potentials | 3 |
| Number of levels | 1 |
| Connection 1 | |
| Pole number | 3 |
| Physical data | |
| Pin spacing | 10 mm / 0.394 inches |
| Width | 27 mm / 1.063 inches |
| Height | 18.1 mm / 0.713 inches |
| Height from the surface | 14.6 mm / 0.575 inches |
| Depth | 26 mm / 1.024 inches |
| Solder pin length | 3.5 mm |
| Solder pin dimensions | 1 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.5 ^{(-0.1} ^{+0.1)} mm |
| Mechanical Data | |
| Application | Control technology |
| Coding | В |
| Variable coding | Yes |
| Subject to changes. Please also observe the further prod | luct documentation! |
| WAGO GmbH & Co. KG | Do you have any questions about our products? |

www.wago.com/770-893/011-000/081-000



| Marking | 5 2 1 | |
|---|--|--|
| Potential marking | 5 2 1 | |
| 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 | |
| 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 | THT |
|-------------------------------------|----------------------------|
| 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 |
|-----------------------------|------------------|
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |

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

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-893/011-000/081-000



| Clamping spring material | Chrome-nickel spring steel (CrNi) |
|--------------------------|---|
| Contact material | Copper or copper alloy; surface-treated |
| Contact plating | Tin |
| Fire load | 0.148 MJ |
| Weight | 6.6 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 |
| ECCN | NO DATA |
| PU (SPU) | 100 pcs |
| Packaging type | box |
| Country of origin | PL |
| GTIN | 4050821553526 |
| Customs tariff number | 85366990990 |
| | |

Environmental Product Compliance

Approvals / Certificates

General approvals

| | | | Certificate |
|----------------|--------------------------------|--------------------------|-------------|
| Logo Ap | Approval | Additional Approval Text | name |
| | cURus | UL 1977 | E45171 |
| c FL us | Underwriters Laboratories Inc. | | |

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

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/770-893/011-000/081-000



Counterpart



Item no.770-283/081-000 Socket; 3-pole; Cod. B; 4,00 mm²; pink

www.wago.com/770-283/081-000

Required accessories

Cover

Cover



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

Optional accessories

Coding

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

Downloads CAD/CAE-Data

CAD data

2D/3D Models 770-893/011-000/081-000

URL

Download

PCB Design

Symbol and Footprint 770-893/011-000/081-000

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

URL Download

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

21.02.2024 Page 6/7

www.wago.com/770-893/011-000/081-000



- 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

Asset Administration Shell

Asset Administration Shell 770-893/011-000/081-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-893/011-000/081-000

URL Download

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

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG Hansastr. 27

32423 Minden
Phono: +49571 997-01 Fax

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.