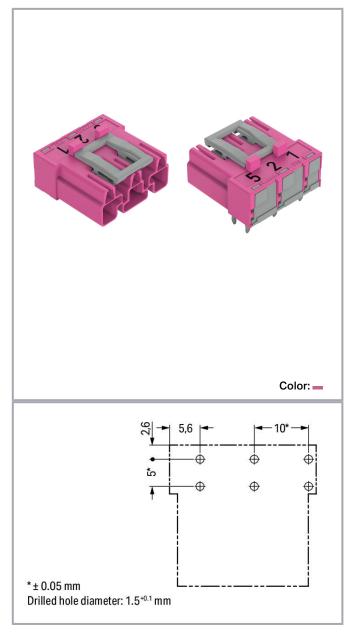
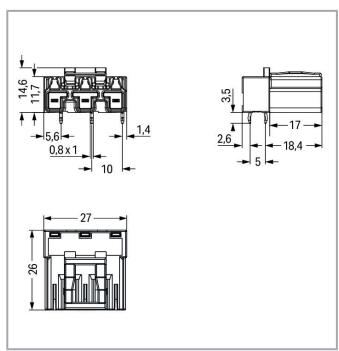
Plug for PCBs; angled; 3-pole; Cod. B; pink

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







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

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Item description

Male connector/plug WINSTA® MIDI 3-pole

Secure electrical installations connection technology: The *WINSTA®* MIDI male connector/plug. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO allow fast, vibration-proof, maintenance-free terminal connections. For greater protection in electrical installations, the pcb connector is provided with mechanical protection against mismating. Solutions like the *WINSTA®* MIDI pcb connectors with B coding are appropriate for applications involving process control, for example, for lighting or within data networks. This pcb connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. *WINSTA®* MIDI with Pushin CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy and maximally flexible installation.

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 saves time, lowers costs, and reduces the need for servicing. Now you can also cut installation costs without compromising safety and quality: The WINSTA® MIDI pcb connector with protection against mismating eliminates the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- for automation controllers
- with B coding for controllers, for example lighting fixtures and sun blinds
- fast, secure 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

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Rated impulse voltage (III/3)	4 kV
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	
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
Depth Solder pin length	26 mm / 1.024 inches 3.5 mm
Solder pin length	3.5 mm
Solder pin length Solder pin dimensions	3.5 mm 1 x 0.8 mm
Solder pin length Solder pin dimensions Drilled hole diameter with tolerance	3.5 mm 1 x 0.8 mm
Solder pin length Solder pin dimensions Drilled hole diameter with tolerance Mechanical Data	3.5 mm 1 x 0.8 mm 1.5 ^(-0.1 +0.1) mm
Solder pin length Solder pin dimensions Drilled hole diameter with tolerance Mechanical Data Application	3.5 mm 1 x 0.8 mm 1.5 (-0.1 +0.1) mm Control technology B

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Variable coding	Yes
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	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
Insulation material	Polyamide (PA66)

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

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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	0.148 MJ
Weight	6.6 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	27-44-06-05
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	4050821553526
Customs tariff number	85366990990

Environmental Product Compliance

Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
· 21 ,"	Underwriters Laboratories Inc.		

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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



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

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

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- 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

Environmental Product Compliance

Compliance Search

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

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

URL

Download

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

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