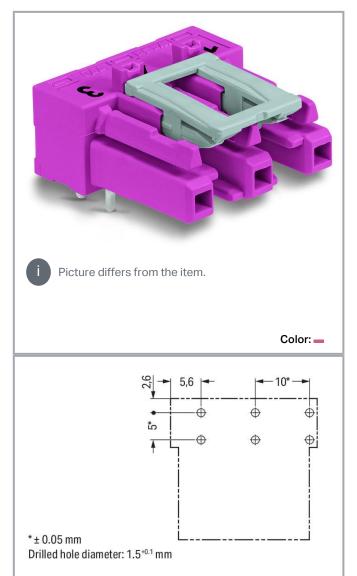
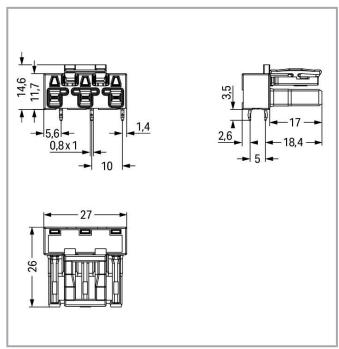
Socket for PCBs; angled; 3-pole; Cod. B; pink

www.wago.com/770-883/011-000/081-000







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

www.wago.com/770-883/011-000/081-000



#### Item description

#### Female connector/socket WINSTA® MIDI rated current 25 A

The WINSTA® MIDI female connector/socket 3-pole are compact but powerful PCB terminal blocks. They offer convenient operation and the greatest possible flexibility for installation. Our enormous number of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at any time. The mechanical coding and color coding of the pcb connectors ensure error-free installation of the individual components – including protection against mismating. Pcb connectors with B coding from the WINSTA® MIDI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Usage-specific pole marking is possible as well. This pcb connectors can be used for a current load of up to 25 A. Thus, pcb connectors can also be used for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects you can use for quick, easy, secure, tailored installation.

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

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. Choose quality and durability – with marking from WAGO makes the electrical installation of electrical components noticeably easier.

- protection against mismating eliminates errors
- pre-assembled versions
- with B coding for use in automation of processes, such as lighting technology, among other examples
- 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

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

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# 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	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 $\Omega$ of contact resistance
	approx. 0.25 m $\Omega$ 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 <sup>(-0.1</sup> <sup>+0.1)</sup> mm

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

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# **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	125
Potential marking	125
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)	Female connector/socket
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)

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

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#### Information on material specifications can be found here

Color	pink
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	0.123 MJ
Weight	6.5 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	4050821553502
Customs tariff number	85366990990

# **Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption	
------------------------	-------------------------	--

# Approvals / Certificates

# General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
	Underwriters Laboratories Inc.		

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

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#### Counterpart



Item no.770-293/081-000 Plug; 3-pole; Cod. B; 4,00 mm²; pink

www.wago.com/770-293/081-000

#### Required accessories

Cover	
-------	--

Cover



Item no.: 770-201

Lockout cap; 12-pole, separable; for sockets; Plastic; black

www.wago.com/770-201



Item no.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white

www.wago.com/770-221

# Downloads CAD/CAE-Data

CAD data

2D/3D Models 770-883/011-000/081-000

URL

Download

Download

# **PCB** Design

Symbol and Footprint 770-883/011-000/081-000

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

#### 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!

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- 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 770-883/011-000/081-000 URL Download

# **Environmental Product Compliance**

#### Compliance Search

Environmental Product Compliance 770-883/011-000/081-000

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

URL

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#### **Installation Notes**

# **Product family**

WINSTA® MIDI

Show all products from the family

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