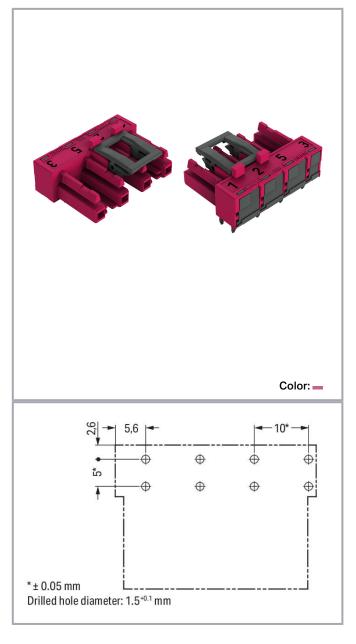
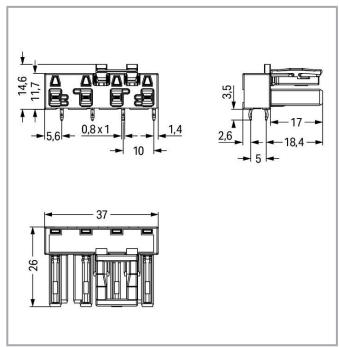
Socket for PCBs; angled; 4-pole; Cod. B; pink

www.wago.com/770-884/011-000/081-000







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

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www.wago.com/770-884/011-000/081-000



Item description

Female connector/socket WINSTA® MIDI with protection against mismating

The WINSTA® MIDI female connector/socket 4-pole offers very secure handling to support control and drive technology tasks. 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 connectors is equipped with mechanical protection against mismating. B coding enables the WINSTA® MIDI pcb connectors to be used for application control in automation, robotics, and mechanical engineering. This pcb connectors is designed for a current load of up to 25 A. As a result, pcb connectors can also be used for high power loads. The WINSTA® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also reduce installation expenses without compromising quality and safety: with locking lever reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- pre-assembled versions
- with B coding for controllers such as lighting fixtures and sun blinds
- 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

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

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Nominal voltage (III/3)	400 V	
Rated impulse voltage (III/3)	6 kV	
Rated current	25 A	
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3	
Ratings per IEC/EN – Notes		
Note (rated current)	25 A for 3-pole load 20 A for 4-pole load	
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	4	
Number of levels	1	
Connection 1		
Pole number	4	
Physical data		
Pin spacing	10 mm / 0.394 inches	
Width	37 mm / 1.457 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	
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Mechanical Data

Application	Control technology
Coding	В
Variable coding	Yes
Marking	1253
Potential marking	1253
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

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

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Material data

Note	(material	I datal

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Color	pink
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	0.16 MJ
Weight	8.6 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

Customs tariff number	85366990990
GTIN	4050821555889
Country of origin	PL
Packaging type	box
PU (SPU)	50 pcs
ECCN	NO DATA
ETIM 7.0	EC002560
ETIM 8.0	EC002560
eCl@ss 9.0	27-44-06-05
eCl@ss 10.0	27-44-06-05

Environmental Product Compliance

Approvals / Certificates

General approvals

Certificate

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

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E45171

Logo Approval Text name

cURus UL 1977

c **FL**us

Underwriters Laboratories Inc.

Counterpart



Item no.770-294/081-000

Plug; 4-pole; Cod. B; 4,00 mm²; pink

www.wago.com/770-294/081-000

Required accessories

Cover

Cover



Item no.: 770-201

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

www.wago.com/770-201

Children Tradition

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 770-884/011-000/081-000

URL

URL

Download

PCB Design

Symbol and Footprint 770-884/011-000/081-000

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

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- 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

Asset Administration Shell

Asset Administration Shell 770-884/011-000/081-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-884/011-000/081-000 URL Download Socket for PCBs; angled; 4-pole; Cod. B; pink

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

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