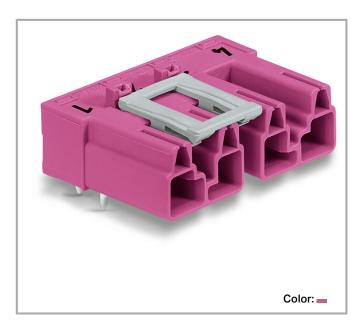
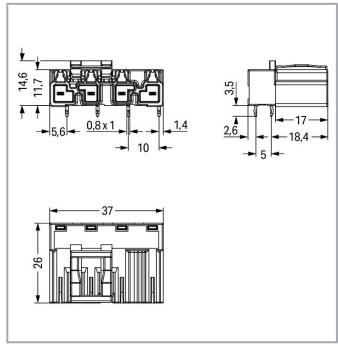
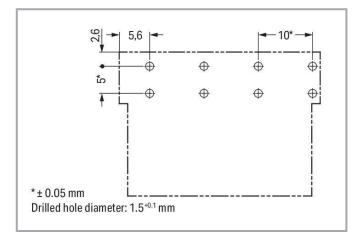
Plug for PCBs; angled; 4-pole; Cod. B; pink

www.wago.com/770-894/011-000









# Item description

# Male connector/plug WINSTA® MIDI 4-pole

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

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Reliably secure electrical installations with special 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 permit impact-resistant, maintenance-free, fast terminal connections. The coding options reduce installation errors, allowing fast, secure wiring of all components. Solutions like the *WINSTA®* MIDI pcb connectors with B coding are appropriate for applications involving process control, for example, for lighting or in data networks. This pcb connector is designed for a load of up to 25 A. Therefore, pcb connector can also be used for high power loads. The *WINSTA®* MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Due to the included test slot, it is possible to check connections even when they are plugged in. That saves time and reduces installation labor and expense.

## Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MIDI

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose quality and durability – the *WINSTA®* MIDI pcb connector with locking lever from WAGO makes the electrical installation of electrical components visibly easier.

- effective protection against mismating
- simple circuits
- 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)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	25 A
Note (rated current)	25 A for 3-pole load
	20 A for 4-pole load
Legend (ratings)	(III / 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 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 $\Omega$ of contact resistance
	approx. 0.25 m $\Omega$ 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 <sup>(-0.1</sup> <sup>+0.1)</sup> mm

## **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	4321
Potential marking	4321

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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
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)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated

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Contact plating	Tin
Fire load	0.19 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

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)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821458326
Customs tariff number	85366990990

## **Environmental Product Compliance**

# Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 61984	2173495.01
KEMA	DEKRA Certification B.V.		
	CCA	IEC 61984	NL-32104
	DEKRA Certification B.V.		
	cURus	UL 1977	E45171



# Declarations of conformity and manufacturer's declarations

Underwriters Laboratories Inc.

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			Certificate
Logo	Approval	Additional Approval Text	name
(	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
ABS.	ABS American Bureau of Shipping	-	19- HG1868589- PDA
DNV DNVCOM/AF	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6



**LR** IEC 61984 LR22429487TA Lloyds Register

# Counterpart

THE PARTY	Item no.770-284 Socket; 4-pole; Cod. B; 4,00 mm²; pink	www.wago.com/770-284
	Item no.771-9994/005-107 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 1 m; 1,00 mm²; pink	www.wago.com/771-9994 /005-107
	Item no.771-9994/105-107  pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0  mm²; 1 m; 1,00 mm²; pink	www.wago.com/771-9994 /105-107

# Required accessories

Cover

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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 770-894/011-000

**URL** 

Download

#### **PCB** Design

Symbol and Footprint 770-894/011-000

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

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- 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 770-894/011-000 URL Download

**Environmental Product Compliance** 

Compliance Search

Environmental Product Compliance 770-894/011-000 URL Download

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

**Installation Notes** 

**Product family** 

WINSTA® MIDI

Show all products from the family

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