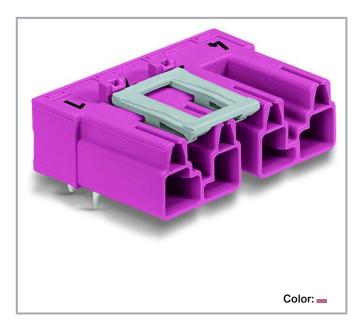
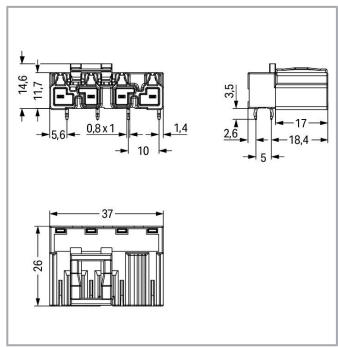
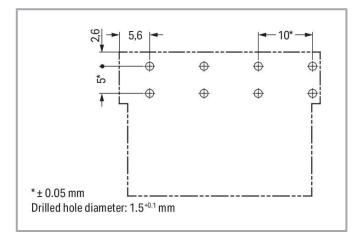
Plug for PCBs; angled; 4-pole; Cod. B; pink

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









# Item description

# Male connector/plug WINSTA® MIDI rated current 25 A

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

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Reliably secure installations thanks to exceptional connection technology: The WINSTA® MIDI male connector/plug. Our enormous selection of pluggable PCB connectors with various insertion directions and operating variants offers you the right solution for your application at any time. The color coding and mechanical coding of the pcb connectors ensure error-free installation of the individual components – including protection against mismating. Solutions like the WINSTA® MIDI pcb connectors with B coding are appropriate for process control, for example, for lighting or within data networks. This pcb connectors is used for electrical currents up to 25 A. Thus the product is also suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored electrical installation.

#### WINSTA® MIDI solutions for your electrical installation - protected against mismating and maintenance-free

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – with locking lever from WAGO makes the electrical installation of electrical components significantly easier.

- protection against mismating eliminates errors
- for automation controllers
- for automation controllers
- convenient installation and commissioning

# 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
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

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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 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	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 +0.1)</sup> mm

# **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	4 3 2 1
Potential marking	4321

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

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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	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated

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

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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 ℃
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**

RoHS Compliance Status Compliant, No Exemption	
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# 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



Underwriters Laboratories Inc.

## Declarations of conformity and manufacturer's declarations

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

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TAE00001Z6

LR22429487TA

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/105-107

Logo	Approval	Additional Approval Text	Certificate name
CE	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

IEC 61984

Lloyds Register

mm<sup>2</sup>; 1 m; 1,00 mm<sup>2</sup>; pink

LR

Det Norske Veritas, Germanischer Lloyd

#### Counterpart

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0

# Required accessories

#### Cover

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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LIDI

- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4

7UKEN Dortol 770 004/011 000

Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

#### **CAE** data

ZUNEN PURIAI 770-69470 I I-000	UKL	Download
Asset Administration Shell		
Asset Administration Shell 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

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

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