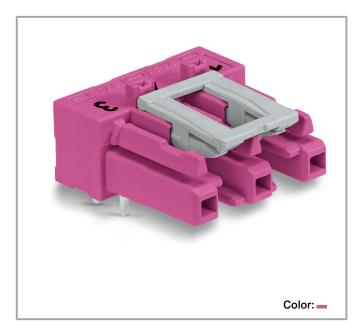
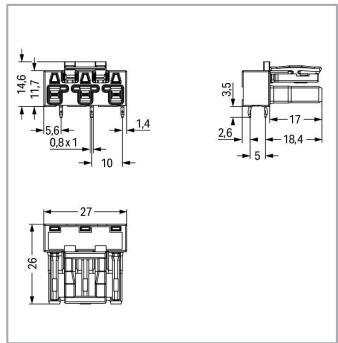
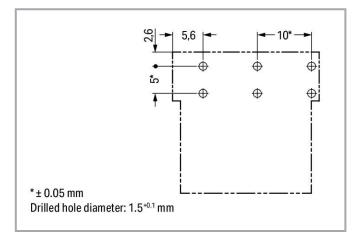
Socket for PCBs; angled; 3-pole; Cod. B; pink

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









# Item description

# Female connector/socket WINSTA® MIDI 3-pole

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

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The WINSTA® MIDI female connector/socket with locking latch offers very secure handling to support drive and control technology tasks. Our pluggable PCB connectors give you a universal pluggable connection system for your devices that meets all the requirements for a robust device connection. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. B coding enables the WINSTA® MIDI pcb connectors to be used for application control in the domains of automation, robotics, and mechanical engineering. This pcb connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. The WINSTA® MIDI product line guarantees maximum flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers customization for meeting all installation requirements.

#### 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. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pcb connectors with protection against mismating from WAGO.

- effective protection against mismating
- for automation controllers
- with B coding for controllers such as sun blinds and lighting fixtures
- 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)	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

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	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	3
Number of levels	1

#### **Connection 1**

Pole number	2	
FOIE HUITIDEI	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

#### **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	123
Potential marking	123
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

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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)

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

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#### **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 9.0 27-44-06-05 ETIM 8.0 EC002560 ETIM 7.0 EC002560	
ETIM 7.0 EC002560	
PU (SPU) 100 pcs	
Packaging type box	
Country of origin PL	
GTIN 4050821446347	
Customs tariff number 85366990990	

#### **Environmental Product Compliance**

RoHS Compliance Status Compliant, No Exemption

#### Approvals / Certificates

#### General approvals

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



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cURus UL 1977
Underwriters Laboratories Inc.

#### Declarations of conformity and manufacturer's declarations

			Certificate
Logo	Approval	Additional Approval Text	name
	EU-Declaration of Conformity	-	-
	WAGO GmbH & Co. KG		

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UK-Declaration of Conf WAGO GmbH & Co. KG **UK-Declaration of Conformity** 

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	19- HG1868589- PDA
DNV DNVLDMAF	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
IR INDIANA	LR Lloyds Register	IEC 61984	LR22429487TA

# Counterpart

THE STREET	Item no.770-293 Plug; 3-pole; Cod. B; 4,00 mm²; pink	www.wago.com/770-293
300 001	Item no.771-9993/005-107 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm²; pink	www.wago.com/771-9993/005-107
	Item no.771-9993/205-107 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; pink	www.wago.com/771-9993/205-107

# Required accessories

Cover
-------

Cover



Item no.: 770-201

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

www.wago.com/770-201

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. Kill Park Salas

Item no.: 770-221

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

www.wago.com/770-221

Download

URL

# Downloads CAD/CAE-Data

#### CAD data

2D/3D Models 770-883/011-000 URL Download

#### **PCB** Design

Symbol and Footprint 770-883/011-000

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### 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
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

CAE data

ZUKEN Portal 770-883/011-000 URL Download

**Environmental Product Compliance** 

**Compliance Search** 

Environmental Product Compliance 770-883/011-000 URL Download

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

**Installation Notes** 

**Product family** 

WINSTA® MIDI

Show all products from the family

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