



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

## Item description

### Male connector/plug *WINSTA*® MIDI with protection against mismatching

WAGO has various connection solutions for any challenge in building installation, for example, the *WINSTA*® MIDI male connector/plug. Our pluggable PCB connectors provide a universal pluggable connection system for your devices that meets all the requirements for a robust device connection that is easy to put into operation. For greater protection in electrical installations, the pcb connectors is equipped with mechanical protection against mismatching. Solutions like the *WINSTA*® MIDI pcb connectors with B coding are suitable for applications related to process control, for example, for lighting or within data networks. This pcb connectors can be employed for a voltage load of up to 25 A. Thus, 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 exemplary electrification. Due to the built-in test slot, connections can be checked even when they are plugged in. This saves time, labor, and money.

### 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 consequently more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – with protection against mismatching from WAGO makes the installation of electrical components significantly easier.

- effective protection against mismatching
- simple circuits
- with B coding for use in automation of processes, such as lighting technology, among other examples
- 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

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## 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) $\triangleq$ Overvoltage category III / Pollution degree 3

## Ratings per IEC/EN – Notes

Note (rated current)	25 A for 3-pole load 20 A for 4- and 5-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
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## Connection data

Total number of potentials	5
Number of levels	1

## Connection 1

Pole number	5
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## Physical data

Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	29.5 mm / 1.161 inches
Height from the surface	26 mm / 1.024 inches

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

Depth	14.6 mm / 0.575 inches
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.5 $(-0.1 \dots +0.1)$ mm

## Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	4 3 2 $\pm$ 1
Potential marking	4 3 2 $\pm$ 1
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	straight

## Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Note on mismating protection	All WINSTA <sup>®</sup> 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	90 °
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	THT
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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	light green
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	0.234 MJ
Weight	10.8 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	4050821553885
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

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

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Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

## Counterpart



Item no.770-265/073-000

Socket; 5-pole; Cod. B; 4,00 mm<sup>2</sup>; light green[www.wago.com/770-265/073-000](http://www.wago.com/770-265/073-000)

## Required accessories

### Cover

Cover



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

[www.wago.com/770-360](http://www.wago.com/770-360)

## Optional accessories

### Coding

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

[www.wago.com/770-401](http://www.wago.com/770-401)

## Downloads

### CAD/CAE-Data

### PCB Design

Symbol and Footprint 770-875/073-000

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

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

- 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

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

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#### CAE data

ZUKEN Portal 770-875/073-000	<a href="#">URL</a>	<a href="#">Download</a>
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#### CAD data

2D/3D Models 770-875/073-000	<a href="#">URL</a>	<a href="#">Download</a>
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#### Asset Administration Shell

Asset Administration Shell 770-875/073-000	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 770-875/073-000	<a href="#">URL</a>	<a href="#">Download</a>
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Plug for PCBs; straight; 5-pole; Cod. B; light green

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## Installation Notes

### Product family

WINSTA® MIDI

[Show all products from the family](#)

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