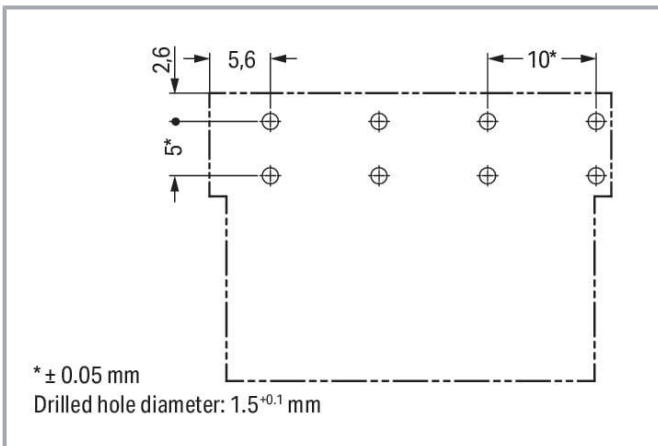
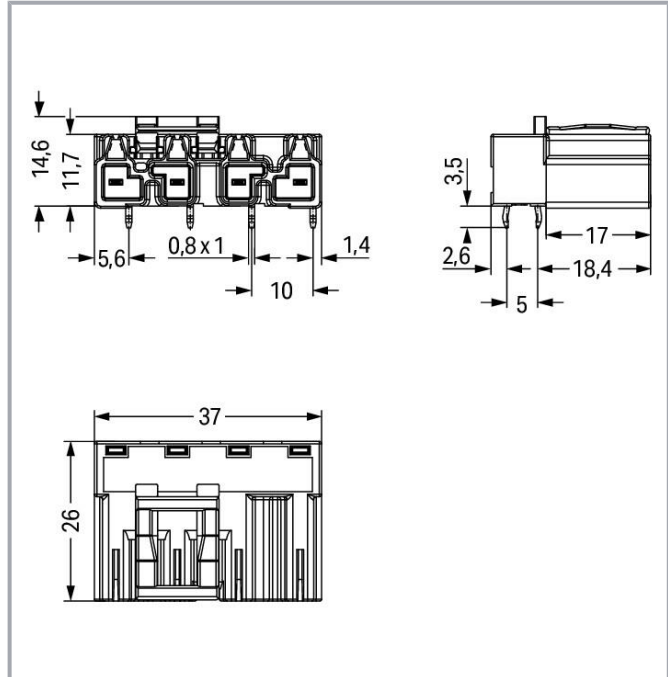
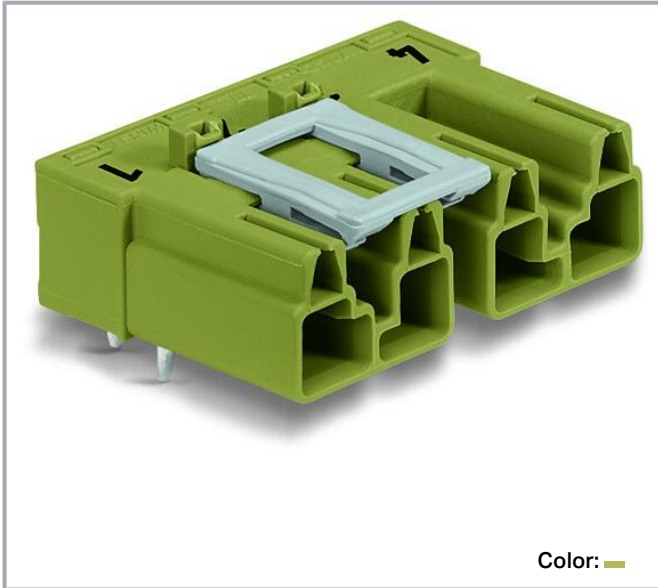


Data sheet | Item number: 770-874/011-000  
Plug for PCBs; angled; 4-pole; Cod. B; light green

[www.wago.com/770-874/011-000](http://www.wago.com/770-874/011-000)



## 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  
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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.



The *WINSTA*® MIDI male connector/plug 4-pole is economical and space thanks to its compact dimensions. Our pluggable PCB connectors provide a versatile pluggable connection system for your devices that meets all the conditions for a stable device connection that is easy to put into operation. For greater security in electrical installations, the pcb connectors is provided with mechanical protection against mismatching. B coding enables the *WINSTA*® MIDI pcb connectors to be used for application control in automation, mechanical engineering and robotics. This pcb connectors is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy, secure, tailored electrical installation.

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

*WINSTA*® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- 
- pcb connectors with protection against mismatching
- 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

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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 mΩ of contact resistance  
approx. 0.25 mΩ 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

B

Variable coding

Yes

Marking

4 3 2 1

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Potential marking	4 3 2 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	angled

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> <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	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	THT
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)

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Contact material	Copper or copper alloy; surface-treated
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
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821445807
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 DEKRA Certification B.V.	EN 61984	2173495.01
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

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




## Declarations of conformity and manufacturer's declarations

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

## Approvals for marine applications

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

## Counterpart

	Item no.770-264 Socket; 4-pole; Cod. B; 4,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/770-264">www.wago.com/770-264</a>
	Item no.771-9994/005-105 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; H05VV-F 4 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/771-9994/005-105">www.wago.com/771-9994/005-105</a>
	Item no.771-9994/105-105 pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/771-9994/105-105">www.wago.com/771-9994/105-105</a>

## Required accessories

## Cover

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

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 770-874/011-000

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
- TARGET 3001!
- View Logic ViewDraw

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- 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 770-874/011-000	<a href="#">URL</a>	<a href="#">Download</a>
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#### CAD data

2D/3D Models 770-874/011-000	<a href="#">URL</a>	<a href="#">Download</a>
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#### Asset Administration Shell

Asset Administration Shell 770-874/011-000	<a href="#">URL</a>	<a href="#">Download</a>
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 770-874/011-000 Plug for PCBs; angled; 4-pole; Cod. B; light green	<a href="#">URL</a>	<a href="#">Download</a>
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### Installation Notes

#### Product family

**WINSTA® MIDI**  
[Show all products from the family](#)

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