

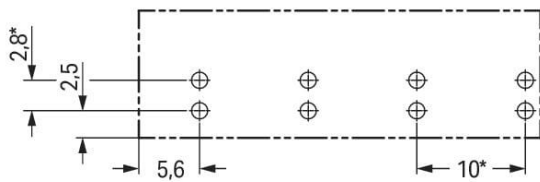
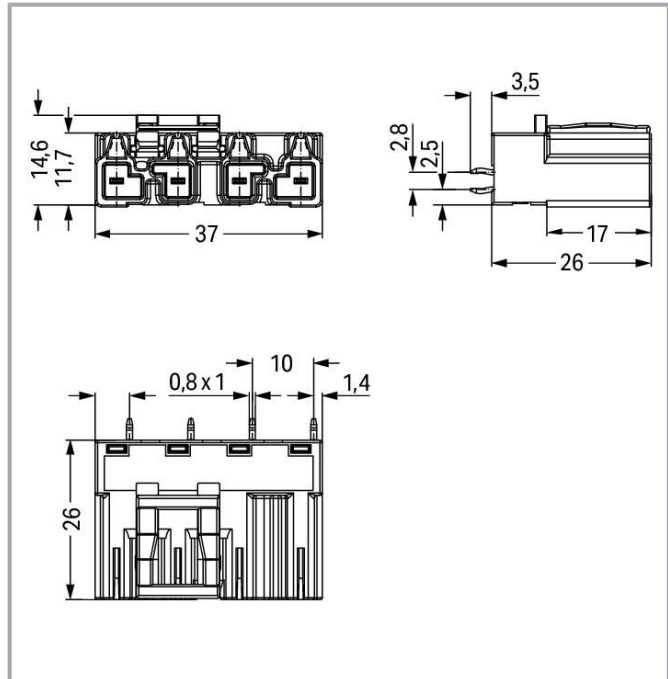
Data sheet | Item number: 770-874

Plug for PCBs; straight; 4-pole; Cod. B; light green

www.wago.com/770-874



Color:



* ± 0.05 mm
Drilled hole diameter: $1.5^{+0.1}$ mm

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

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



Item description

Male connector/plug WINSTA® MIDI rated current 25 A

The WINSTA® MIDI male connector/plug B coding offers easy, secure handling to support control and drive technology tasks. Our pluggable PCB connectors provide a universal pluggable connection system for your devices that meets all the conditions for a stable device connection that is easy to put into operation. 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 process control, for example, for lighting or in data networks. The rated current and voltage are important criteria for selecting a pcb connectors: They tell us about the product's domains of use. This product has a current rating of 25 A – so it is also suitable for powerful loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy, secure, tailored 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. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismating from WAGO.

-
- pcb connectors with protection against mismating
- pre-assembled versions
- with B coding for controllers such as lighting fixtures and sun blinds
- 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

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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-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 Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket
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Connection data

Total number of potentials	4
Number of levels	1

Connection 1

Pole number	4
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Physical data

Pin spacing	10 mm / 0.394 inches
Width	37 mm / 1.457 inches
Height	29.5 mm / 1.161 inches
Height from the surface	26 mm / 1.024 inches
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 ... +0.1) mm

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



Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	4 3 2 1
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	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 [®] 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
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

Material data

Note (material data)

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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	0.19 MJ
Weight	8.8 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

Product Group	20 (Winsta)
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	4050821445029
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.	IEC 61984	NL-32104

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CCA
DEKRA Certification B.V.

EN 61984

2173495.01





cURus
Underwriters Laboratories Inc.




UL 1977

E45171

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.771-9994/005-105
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; H05VV-F 4 x 1.0 mm²; 1 m;
1,00 mm²; light green

www.wago.com/771-9994/005-105



Item no.770-264
Socket; 4-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-264

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**Item no. 771-9994/105-105**

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. B; Control cable 4 x 1.0 mm²;
1 m; 1,00 mm²; light green

www.wago.com/771-9994/105-105

Required accessories**Cover**

Cover

**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 770-874	URL	Download
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PCB Design

Symbol and Footprint 770-874	URL	Download
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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

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- 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

CAE data

ZUKEN Portal 770-874	URL	Download
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Asset Administration Shell

Asset Administration Shell 770-874	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-874 Plug for PCBs; straight; 4-pole; Cod. B; light green	URL	Download
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Installation Notes

Product family

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

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