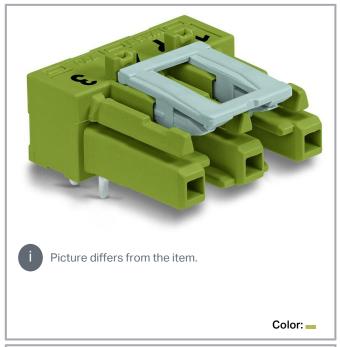
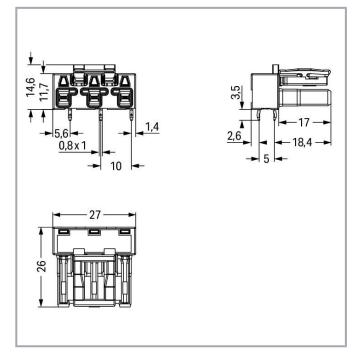
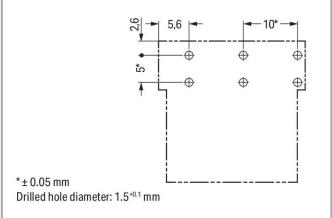
Socket for PCBs; angled; 3-pole; Cod. B; light green

www.wago.com/770-863/011-000/071-000









Item description

Female connector/socket 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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The WINSTA® MIDI female connector/socket rated current 25 A offers secure, easy handling to support drive and control technology tasks. Our giant number of pluggable PCB connectors with different insertion directions and operating variants offers you the right solution for your application at any time. The mechanical coding and color 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 applications involving process control, such as for lighting or within data networks. Important parameters in the selection of a pcb connectors are the rated current and voltage: They provide information about possible domains of use and applications. This product has a current rating of 25 A – therefore it is also suitable 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 integrated test slot, it is possible to check connections even when they are plugged in. This saves time, labor, and money.

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. Now you can also cut installation costs without compromising quality and safety: with marking eliminates the need for servicing and prevents unnecessary downtime.

- pcb connectors with protection against mismating
- for automation controllers
- with B coding for controllers such as sun blinds and lighting fixtures
- fast, secure installation

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

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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

Connection data

Total number of potentials	3
Number of levels	1

Connection 1

Pole number	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 ^(-0.1 +0.1) mm

Mechanical data

Application	Control technology
Coding	В
Variable coding	Yes
Marking	U+ X/Y U-
Potential marking	U+ X/Y U-

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

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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)	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	light green
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated

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Contact plating	Tin
Fire load	0.12 MJ
Weight	6.5 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)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821553359
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption
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Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
c SU °us	Underwriters Laboratories Inc.		

Counterpart



Item no.770-273/071-000

Plug; 3-pole; Cod. B; 4,00 mm²; light green

www.wago.com/770-273/071-000

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

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Required accessories

Cover

Cover



Item no.: 770-201

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

www.wago.com/770-201



Item no.: 770-221

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

www.wago.com/770-221

Downloads CAD/CAE-Data

CAD data

2D/3D Models 770-863/011-000/071-000

URL

Download

PCB Design

Symbol and Footprint 770-863/011-000/071-000

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

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- 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

Asset Administration Shell

Asset Administration Shell 770-863/011-000/071-000 URL

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-863/011-000/071-000

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URL

Download

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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!

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