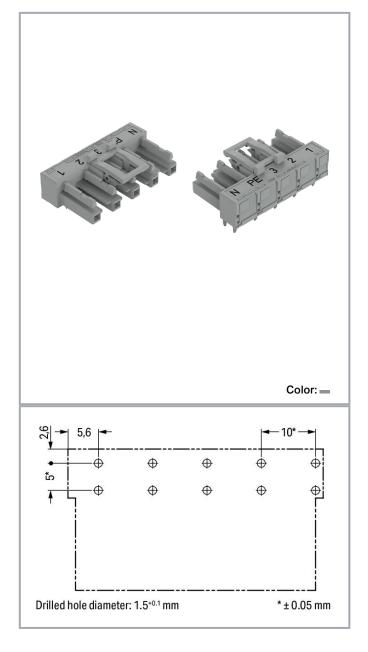
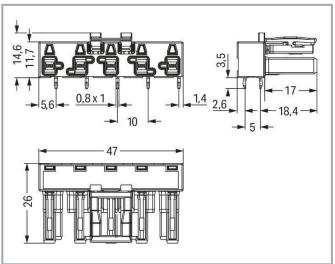
Socket for PCBs; angled; 5-pole; Cod. B; gray

www.wago.com/770-845/011-000/062-000







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

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## Item description

#### Female connector/socket WINSTA® MIDI with protection against mismating

The WINSTA® MIDI female connector/socket rated current 25 A saves space and money and space thanks to its compact dimensions. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit maintenance free terminal connections. The color coding and mechanical coding of the pcb connector ensure error-free installation of the individual components – including protection against mismating. Solutions like the WINSTA® MIDI pcb connectors with B coding are suitable for process control, for example, for lighting or in data networks. This pcb connector is designed for a load of up to 25 A. As a result, pcb connector can also be used 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, flexible, and secure installation.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pcb connectors with locking lever from WAGO.

- protection against mismating eliminates errors
- simple circuits
- for automation controllers
- 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) 400 V

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

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Rated impulse voltage (III/3)	6 kV
Rated current	25 A
Note (rated current)	25 A for 3-pole load
	20 A for 4- and 5-pole load
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
	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. $0.25~\text{m}\Omega$ contact transition plug/socket
Connection data	
Total number of potentials	5
Number of levels	1
Connection 1	
Pole number	5
Physical data	
Pin spacing	10 mm / 0.394 inches
Width	47 mm / 1.85 inches
Height	18.1 mm / 0.713 inches
Height from the surface	14.6 mm / 0.575 inches
Depth	26 mm / 1.024 inches

3.5 mm

1 x 0.8 mm

1.5 <sup>(-0.1 ... ±0.1)</sup> mm

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Solder pin length

Solder pin dimensions

Drilled hole diameter with tolerance

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## **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	N PE 3 2 1
Potential marking	N PE 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)	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

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## **Material Data**

Note (	material	data)	

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Color	gray
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	0.204 MJ
Weight	10.4 g

## **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 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	4050821553731
Customs tariff number	85366990990

## **Environmental Product Compliance**

RoHS Compliance Status	Compliant,No Exemption

## Approvals / Certificates

## General approvals

			Certificate
Logo	Approval	Additional Approval Text	name

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

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cURus

Underwriters Laboratories Inc.

UL 1977 E45171

## Counterpart



Item no.770-255/062-000 Plug; 5-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-255/062-000

#### 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

Download

**URL** 

# Downloads CAD/CAE-Data

#### **PCB** Design

Symbol and Footprint 770-845/011-000/062-000

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

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- 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

## **Environmental Product Compliance**

## Compliance Search

Environmental Product Compliance 770-845/011-000/062-000 Socket for PCBs; angled; 5-pole; Cod. B; gray URL

Download

## **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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