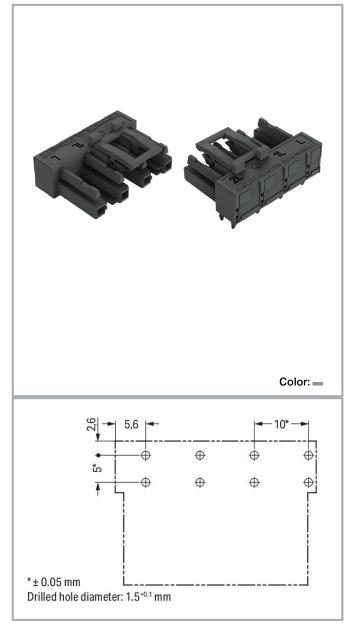
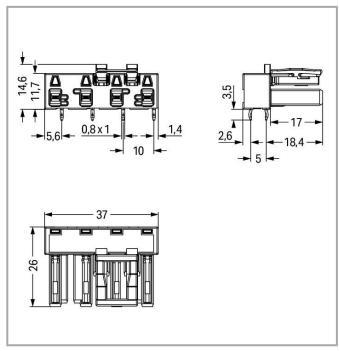
Socket for PCBs; angled; 4-pole; Cod. B; gray

www.wago.com/770-844/011-000/064-000







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

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www.wago.com/770-844/011-000/064-000



#### Item description

#### Female connector/socket WINSTA® MIDI 4-pole

Secure electrical installations with distinctive connection technology: The WINSTA® MIDI female connector/socket. 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, maintenance-free wiring of all components. Pcb connectors with B coding from the WINSTA® MIDI line are available in gray, light green, or pink, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Usage-specific pole marking is possible as well. This pcb connector is used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. The WINSTA® MIDI product line offers total flexibility for the electrical installation. Through its Pushin CAGE CLAMP® spring pressure connection technology, it guarantees time-saving, error-free installation and offers flexibility and customization for meeting all installation requirements.

#### WINSTA® MIDI solutions for your electrical installation – protected against mismating and maintenance-free

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also reduce installation expenses without compromising safety and quality: The WINSTA® MIDI pcb connector with locking lever eliminates the need for servicing and prevents unnecessary downtime.

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

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

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Rated current	25 A
Note (rated current)	25 A for 3-pole load
	20 A for 4-pole load
_egend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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 m $\Omega$ 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
Subject to changes. Please also observe	the further product documentation!

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Coding	В
Variable coding	Yes
Marking	2L
Potential marking	2L
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	gray

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

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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	0.172 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
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821555612
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
<b>-1</b> °	Underwriters Laboratories Inc.		

c**FL**us

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# Counterpart



Item no.770-254/064-000 Plug; 4-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-254/064-000

## Required accessories

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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 770-844/011-000/064-000

URL

Download

#### **PCB** Design

Symbol and Footprint 770-844/011-000/064-000

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

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- 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 770-844/011-000/064-000 Socket for PCBs; angled; 4-pole; Cod. B; gray URL

Download

#### **Installation Notes**

## **Product family**

WINSTA® MIDI

Show all products from the family

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