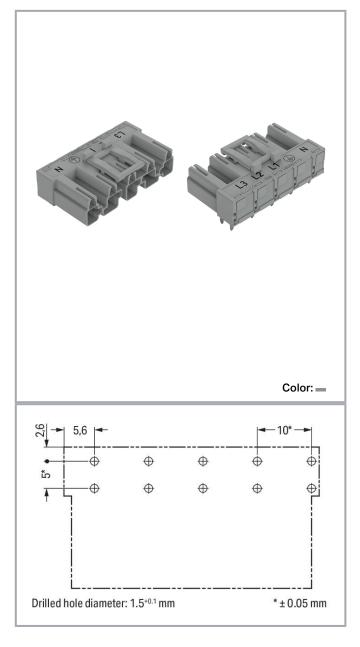
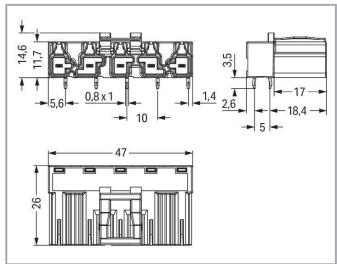
Plug for PCBs; angled; 5-pole; Cod. B; gray

www.wago.com/770-855/011-000/060-000







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

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#### Item description

#### Male connector/plug WINSTA® MIDI B coding

The WINSTA® MIDI male connector/plug with locking latch offers easy-to-understand handling to support control and drive technology tasks. Our immense selection of pluggable PCB connectors with various insertion directions and operating variants offers you the perfect 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. 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. Customer-specific pole marking is possible, too. 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 – as a result it is also suitable for powerful loads. The WINSTA® MIDI product line offers maximum flexibility for the electrical installation. With its Push-in CAGE CLAMP® spring pressure connection technology, it ensures time-saving, error-free installation and offers customization and flexibility for meeting all installation requirements.

#### Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MIDI

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection against mismating from WAGO.

- effective protection against mismating
- 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

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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
	20 A for 4- and 5-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 m $\Omega$ of contact resistance approx. 0.25 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

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Height from the surface

Solder pin dimensions

Drilled hole diameter with tolerance

Solder pin length

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Depth

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14.6 mm / 0.575 inches

26 mm / 1.024 inches

1.5 <sup>(-0.1 ... ±0.1)</sup> mm

3.5 mm

1 x 0.8 mm

We are always happy to take your call at +49 (571) 887-44222.

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#### **Mechanical Data**

Application	Control technology
Coding	В
Variable coding	Yes
Marking	L3 L2 L1
Potential marking	L3 L2 L1
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 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	THT
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

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#### Material data

Note (ma	aterial	data)
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Color	gray
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
Contact plating	Tin
Fire load	0.241 MJ
Weight	10.7 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	4050821553694
Customs tariff number	85366990990

## **Environmental Product Compliance**

## Approvals / Certificates

## General approvals

Certificate

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

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Logo Approval Additional Approval Text name

CURus Underwriters Laboratories Inc.

CURus UL 1977

CURus UL 1059

CURus UL 1059

E 45172

Underwriters Laboratories Inc.

#### Counterpart



Item no.770-245/060-000 Socket; 5-pole; Cod. B; 4,00 mm²; gray

www.wago.com/770-245/060-000

#### 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 770-855/011-000/060-000

URL

Download

PCB Design

Symbol and Footprint 770-855/011-000/060-000

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.

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#### 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
- 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 770-855/011-000/060-000 URL Download

#### **Environmental Product Compliance**

#### Compliance Search

Environmental Product Compliance 770-855/011-000/060-000 URL Download

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#### **Installation Notes**

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# **Product family**

WINSTA® MIDI Show all products from the family

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