



## Item description

### Female connector/socket WINSTA® MIDI rated current 25 A

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

The *WINSTA*® MIDI female connector/socket with protection against mismating are compact but outstanding PCB terminal blocks. They offer easy operation and the greatest flexibility for installation. Our large number of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at any time. 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 within data networks. This pcb connectors can be employed for a current load of up to 25 A. Thus, pcb connectors can also be used for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in can be found in a variety of projects 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 is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Now you can also cut installation costs without compromising safety and quality: with locking lever reduces the need for servicing and prevents unnecessary downtime.

- 
- protection against mismating eliminates errors
- simple circuits
- with B coding for use in process automation, such as lighting technology, for example
- 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)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) $\triangleq$ 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

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

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 mΩ of contact resistance approx. 0.25 mΩ 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 <sup>(-0.1 ... +0.1)</sup> mm

## Mechanical Data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	1 2 3
Potential marking	1 2 3
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)

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

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	THT
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
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	0.131 MJ
Weight	6.4 g

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

## 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)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4017332802390
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	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
------	----------	--------------------------	------------------

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



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
	<b>ABS</b> American Bureau of Shipping	-	19- HG1868589- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b> Lloyds Register	IEC 61984	LR22429487TA

#### Counterpart

	<b>Item no.770-253</b> Plug; 3-pole; Cod. B; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/770-253">www.wago.com/770-253</a>
	<b>Item no.771-9993/005-103</b> pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/771-9993/005-103">www.wago.com/771-9993/005-103</a>
	<b>Item no.771-9993/205-103</b> pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; H05VV-F 3 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/771-9993/205-103">www.wago.com/771-9993/205-103</a>

#### Required accessories

<b>Cover</b>		<b>Cover</b>		<b>Item no.: 770-201</b> Lockout cap; 12-pole, separable; for sockets; Plastic; black	<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>
--------------	--	--------------	--	--	--

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

Item no.: 770-221

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

[www.wago.com/770-221](http://www.wago.com/770-221)

---

## Downloads

### CAD/CAE-Data

#### CAE data

EPLAN Data Portal 770-843/011-000	URL	Download
ZUKEN Portal 770-843/011-000	URL	Download
EPLAN Data Portal 770-843/011-000	URL	Download

### PCB Design

Symbol and Footprint 770-843/011-000 CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.	URL	Download
---	-----	----------

### 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!

---

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

- [View Logic ViewDraw](#)
- [Quadcept](#)
- [Zuken CadStar 3 and 4](#)
- [Zuken CR-5000 and CR-8000](#)

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

#### CAD data

---

2D/3D Models 770-843/011-000	<a href="#">URL</a>	<a href="#">Download</a>
------------------------------	---------------------	--------------------------

---

#### Asset Administration Shell

---

Asset Administration Shell 770-843/011-000	<a href="#">URL</a>	<a href="#">Download</a>
--	---------------------	--------------------------

---

#### Environmental Product Compliance

##### Compliance Search

---

Environmental Product Compliance 770-843/011-000	<a href="#">URL</a>	<a href="#">Download</a>
Socket for PCBs; angled; 3-pole; Cod. B; gray		

---

#### Installation Notes

#### Product family

[WINSTA® MIDI](#)

[Show all products from the family](#)

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

---

WAGO GmbH & Co. KG

Hansastraße 27

32423 Minden

Phone: +49 571 887-0 | Fax: +49 571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

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