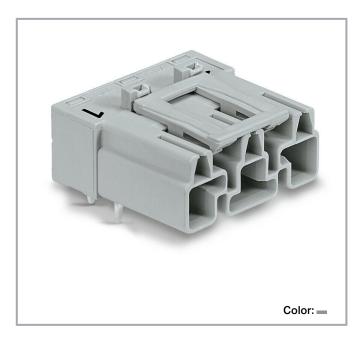
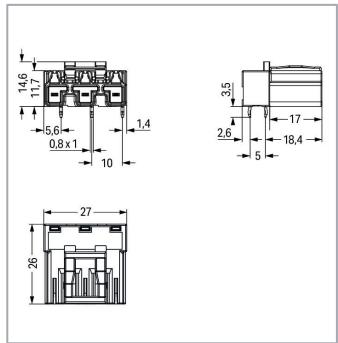
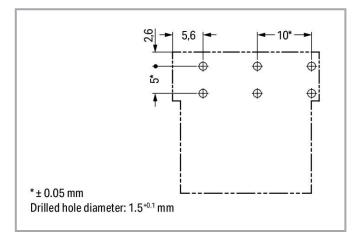
Plug for PCBs; angled; 3-pole; Cod. B; gray

www.wago.com/770-853/011-000









### Item description

### Male connector/plug WINSTA® MIDI rated current 25 A

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

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WAGO has various connection solutions for any challenge in building installation, for example, the *WINSTA*® MIDI male connector/plug. Our large selection of pluggable PCB connectors with different insertion directions and operating variants offers you the right solution for your application at all times. The mechanical coding and color 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, such as for lighting or within data networks. This pcb connector can be used for a current 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 used in a broad range of individual products you can use for quick, easy and maximally flexible installation.

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

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

- effective protection against mismating
- for automation controllers
- with B coding for use in automation of processes, such as lighting technology, for instance
- 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)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	25 A
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

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	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	3
Number of levels	1

### Connection 1

<b>-</b>		
Pole number	2	
i die Hullibei	J	

### 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</sup> <sup>-0.1)</sup> mm

### **Mechanical Data**

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

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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	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
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	0.167 MJ
Weight	6.7 g

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

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### **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	4017332802420
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
KEMA	CCA DEKRA Certification B.V.	EN 61984	2173495.01



**cURus**UL 1977
Underwriters Laboratories Inc.

### Declarations of conformity and manufacturer's declarations

Logo Approval Additional Approval Text Certificate

Additional Approval Text name

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**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
ABS.	ABS American Bureau of Shipping	-	19- HG1868589- PDA
DNV DNV.COM/AF	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR	IEC 61984	LR22429487TA



Lloyds Register

### Counterpart



Item no.770-243 Socket; 3-pole; Cod. B; 4,00 mm<sup>2</sup>; gray

www.wago.com/770-243

Item no.771-9993/005-103

www.wago.com/771-9993

/005-103

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

www.wago.com/771-9993

Item no.771-9993/105-103 pre-assembled connecting cable; Eca; Socket/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

/105-103

### Required accessories

## Cover

Cover



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

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### Optional accessories

### Coding

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

URL

Download

### **Downloads** CAD/CAE-Data

#### **CAD** data

2D/3D Models 770-853/011-000	URL	Download
CAE data		
EPLAN Data Portal 770-853/011-000	URL	Download
ZUKEN Portal 770-853/011-000	URL	Download
EPLAN Data Portal 770-853/011-000	URL	Download
PCB Design		

Symbol and Footprint 770-853/011-000

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### 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

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- 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 770-853/011-000

Plug for PCBs; angled; 3-pole; Cod. B; gray

URL

Download

### **Installation Notes**

### **Product family**

WINSTA® MIDI

Show all products from the family

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