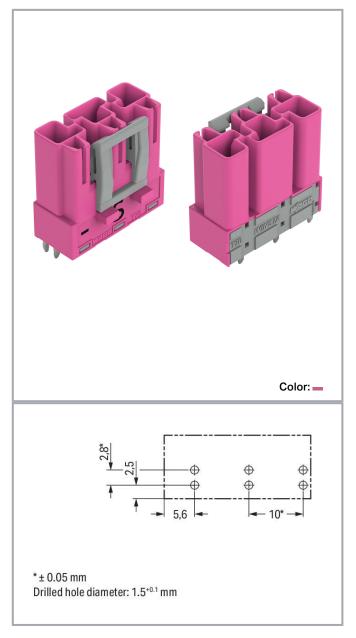
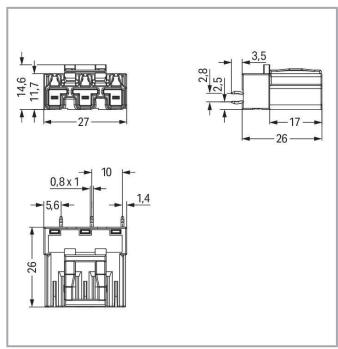
Plug for PCBs; straight; 3-pole; Cod. B; pink

www.wago.com/770-893/082-000







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

www.wago.com/770-893/082-000



Item description

Male connector/plug WINSTA® MIDI B coding

Permanently secure installations through exceptional connection technology: The WINSTA® MIDI male connector/plug. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit maintenance free terminal connections. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. B coding enables the WINSTA® MIDI pcb connectors to be used for control in applications in automation, robotics, and mechanical engineering. This pcb connectors is used for electrical currents up to 25 A. Thus the product is also suitable 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 and maximally flexible installation.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pcb connectors with protection against mismating
- simple circuits
- with B coding for use in automation of processes, such as lighting technology, among other examples
- 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

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

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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 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 Ω of contact resistance
	approx. $0.25~\text{m}\Omega$ contact transition plug/socket
Connection data	
Total number of potentials	3
Number of levels	1
Connection 1	
Pole number	3
Physical data	
Physical data	
Physical data Pin spacing	10 mm / 0.394 inches
	10 mm / 0.394 inches 27 mm / 1.063 inches
Pin spacing	
Pin spacing Width	27 mm / 1.063 inches
Pin spacing Width Height	27 mm / 1.063 inches 29.5 mm / 1.161 inches
Pin spacing Width Height Height from the surface	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches
Pin spacing Width Height Height from the surface Depth	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches 14.6 mm / 0.575 inches
Pin spacing Width Height Height from the surface Depth Solder pin length	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches 14.6 mm / 0.575 inches 3.5 mm
Width Height Height from the surface Depth Solder pin length Solder pin dimensions	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches 14.6 mm / 0.575 inches 3.5 mm 1 x 0.8 mm
Pin spacing Width Height Height from the surface Depth Solder pin length Solder pin dimensions Drilled hole diameter with tolerance	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches 14.6 mm / 0.575 inches 3.5 mm 1 x 0.8 mm
Pin spacing Width Height Height from the surface Depth Solder pin length Solder pin dimensions Drilled hole diameter with tolerance Mechanical data	27 mm / 1.063 inches 29.5 mm / 1.161 inches 26 mm / 1.024 inches 14.6 mm / 0.575 inches 3.5 mm 1 x 0.8 mm 1.5 (-0.1 +0.1) mm

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Marking	-S+
Potential marking	- S +
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	straight

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	90 °
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	pink
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO

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Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.145 MJ
Weight	6.7 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
ECCN	NO DATA
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821553595
Customs tariff number	85366990990

Environmental Product Compliance

Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
. 51 1	Underwriters Laboratories Inc.		

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Counterpart



Item no.770-283/082-000 Socket; 3-pole; Cod. B; 4,00 mm²; pink

www.wago.com/770-283/082-000

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

PCB Design

Symbol and Footprint 770-893/082-000

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

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13.04.2024 Page 6/7

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- 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

CAE data

ZUKEN Portal 770-893/082-000	URL	Download
CAD data		
2D/3D Models 770-893/082-000	URL	Download
Asset Administration Shell		
Asset Administration Shell 770-893/082-000	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-893/082-000

URL Download

Plug for PCBs; straight; 3-pole; Cod. B; pink

Installation Notes

Product family

WINSTA® MIDI

Show all products from the family

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