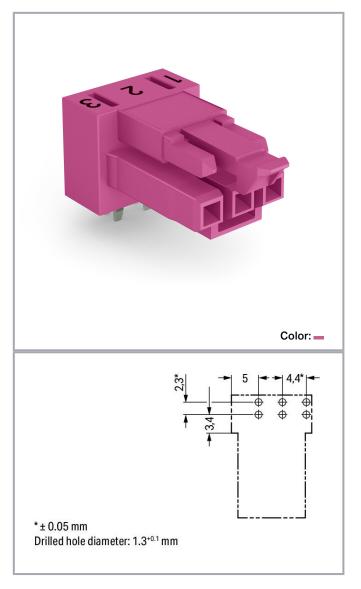
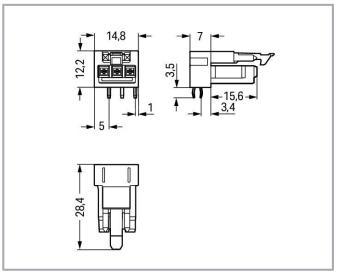
Socket for PCBs; angled; 3-pole; Cod. B; pink

www.wago.com/890-883/011-000







Item description

Female connector/socket WINSTA® MINI 3-pole

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

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The WINSTA® MINI female connector/socket B coding are compact but powerful PCB terminal blocks. They offer convenient operation and the greatest possible flexibility for installation. 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. B coding enables the WINSTA® MINI pcb connectors to be used for control in applications in automation, mechanical engineering and robotics. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology.

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

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It allows fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation costs without compromising safety and quality: The WINSTA® MINI pcb connector with protection against mismating reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismating
- consistent IP40 protection
- with B coding for controllers, for example sun blinds and lighting fixtures
- 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	16 A
Note (rated current)	13 A for 3-pole load
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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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 5 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	14 A

General

Note on contact resistance app	pprox. 1 m Ω of contact resistance
арр	pprox. 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	4.4 mm / 0.173 inches
Width	14.8 mm / 0.583 inches
Height	15.7 mm / 0.618 inches
Height from the surface	12.2 mm / 0.48 inches
Depth	28.4 mm / 1.118 inches
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.3 ^(±0.1) mm

Mechanical Data

Application	Control technology
Coding	В
Variable coding	No
Marking	123
Potential marking	123

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

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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
	100, with resistive load $I_N = 16 \text{ A}$, tested (1.5 mm ²)
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	pink
Subject to changes. Please also observe the further produ	ıct documentation!
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Cover color	gray
Material group	I
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	0.016 MJ
Weight	3.4 g

Environmental requirements

Processing temperature	-5 +40 ℃
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)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821696049
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	СВ	IEC 61984	NL-64351
	DEKRA Certification B.V.	120 01304	NE-04001
	СВ	EN 61984	71-112993
	DEKRA Certification B.V.		

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

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cURus UL 1977 E45171

Underwriters Laboratories Inc.

KEMA/KEUR EN 60320

2148952.04 DEKRA Certification B.V.

Declarations of conformity and manufacturer's declarations

		Certificate name
Approval	Additional Approval Text	
EU-Declaration of Conformity	-	-
WAGO GmbH & Co. KG		
UK-Declaration of Conformity	-	-
WAGO GmbH & Co. KG		
	EU-Declaration of Conformity WAGO GmbH & Co. KG UK-Declaration of Conformity	EU-Declaration of Conformity - WAGO GmbH & Co. KG UK-Declaration of Conformity -

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
DNV DNV	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
OF LA AMOUNT	LR Lloyds Register	EN 61535	08/20047 (E2)

Counterpart



Item no.890-293

Plug; 3-pole; Cod. B; 1,50 mm²; pink

www.wago.com/890-293

Item no.891-8993/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8993/005-103

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Item no.891-8993/205-107

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. B; 1 m; 1,00 mm²; pink

www.wago.com/891-8993/205-107

Downloads CAD/CAE-Data

CAD data

2D/3D Models 890-883/011-000 URL Download

PCB Design

Symbol and Footprint 890-883/011-000 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
- 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

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CAE data

ZUKEN Portal 890-883/011-000 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-883/011-000

Socket for PCBs; angled; 3-pole; Cod. B; pink

URL

Download

Installation Notes

Product family

WINSTA® MINI

Show all products from the family

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

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