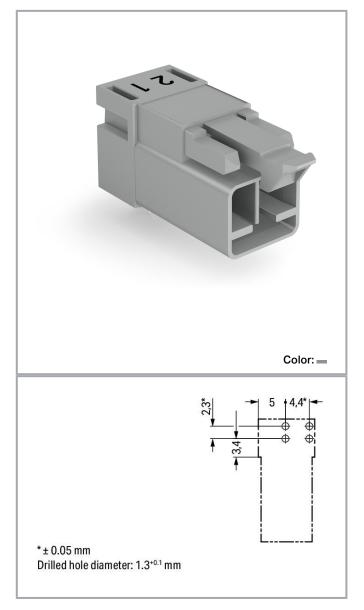
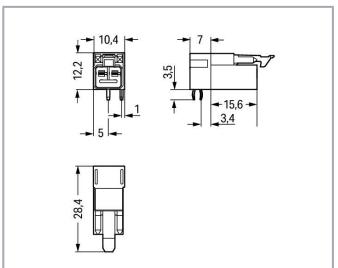
Plug for PCBs; angled; 2-pole; Cod. B; gray

www.wago.com/890-852/011-000







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

www.wago.com/890-852/011-000



Item description

Male connector/plug WINSTA® MINI 2-pole

Reliably secure electrical installations connection technology: The WINSTA® MINI male connector/plug. Our pluggable PCB connectors provide a versatile pluggable connection system for your devices that meets all the conditions for a robust device connection. For greater protection in electrical installations, the pcb connector is equipped with mechanical protection against mismating. Solutions like the WINSTA® MINI pcb connectors with B coding are appropriate for applications related to process control, for example, for lighting or within data networks. Especially where space is tight, our smallest pluggable connection system, WINSTA® MINI, consistently displays its advantageous properties. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and can be performed without screw connections.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – the WINSTA® MINI pcb connector with marking from WAGO makes the installation of electrical components substantially easier.

- pcb connector with protection against mismating
- consistent IP40 protection
- for automation controllers
- fast, secure installation

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	16 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 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	approx. 1 m Ω of contact resistance approx. 0.25 m Ω contact transition plug/socket
Connection data	
Total number of potentials	2
Number of levels	1
Connection 1	
Pole number	2
Physical data	
Pin spacing	4.4 mm / 0.173 inches
Width	10.4 mm / 0.41 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
Subject to changes. Please also observe the further prod	duct documentation!
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Marking	21
Potential marking	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)
Number of mating cycles	200, without resistive load
	100, with resistive load I _N = 16 A, tested (1.5 mm²)
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

Material Data

Note (material data)

Information on material specifications can be found here

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

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Color	gray
Cover color	gray
Material group	l
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	0.057 MJ
Weight	2.4 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
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821695868
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	СВ	IEC 61984	NL-64351
	DEKRA Certification B.V.		

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KEMA

CBDEKRA Certification B.V.

EN 61984

EN 60320

71-112993

c**FL**us

cURus Underwriters Laboratories Inc. UL 1977 E45171

KEMA/KEUR

DEKRA Certification B.V.

2148952.04

Certificate



Logo

Declarations of conformity and manufacturer's declarations

Approval Additional Approval Text name

EU-Declaration of Conformity - -
WAGO GmbH & Co. KG

UK

UK-Declaration of Conformity WAGO GmbH & Co. KG

-

Approvals for marine applications

Logo Approval Additional Approval Text name

DNV GL
Det Norske Veritas, Germanischer Lloyd

Certificate name

TAE00001Z6



LR Lloyds Register EN 61535

08/20047 (E2)

Counterpart



Item no.890-242 Socket; 2-pole; Cod. B; 1,50 mm²; gray

www.wago.com/890-242

Item no.891-8992/005-103

www.wago.com/891-8992

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pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; 1 /005-103 m; 1,00 mm²; gray

Item no.891-8992/105-103

pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm²; www.wago.com/891-8992 1 m; 1,00 mm²; gray 1 m; 1,00 mm²; gray

Download

URL

Downloads CAD/CAE-Data

PCB Design

Symbol and Footprint 890-852/011-000

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
- 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

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ZUKEN Portal 890-852/011-000

CAD data

2D/3D Models 890-852/011-000

URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-852/011-000

URL Download

Installation Notes

Plug for PCBs; angled; 2-pole; Cod. B; gray

Product family

WINSTA® MINI

Show all products from the family

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