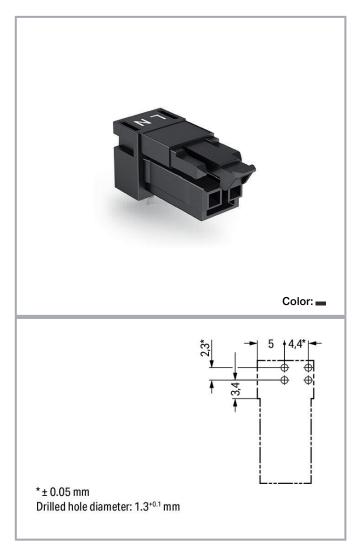
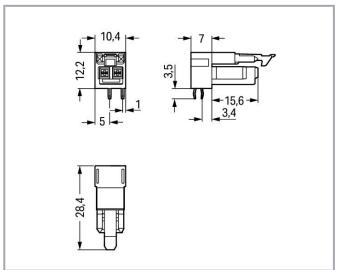
Socket for PCBs; angled; 2-pole; Cod. A; black

www.wago.com/890-802/011-000







# Item description

# Female connector/socket WINSTA® MINI A coding

WAGO has various connection solutions for any challenge in building installation, for example, the WINSTA® MINI female connector/socket. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit fast, vibration-

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proof, maintenance-free terminal connections. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The *WINSTA®* MINI pcb connector with A coding in white or black is normally used for general mains applications in power distribution. Due to its particularly small dimensions, our *WINSTA®* MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very restricted spaces, i.e., for connections when very little room is available.

#### WINSTA® MINI solutions for your electrical installation – protected against mismating and maintenance-free

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MINI pcb connectors with locking lever from WAGO.

- pcb connector with protection against mismating
- easy tool-free operation, a wide range of coding options
- suitable for any application
- convenient installation and commissioning

# Data

#### 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
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

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#### General

Note on contact resistance	approx. 1 m $\Omega$ of contact resistance	
	approx. 0.25 mΩ 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 <sup>(±0.1)</sup> mm

# **Mechanical Data**

General mains applications
A
No
LN
LN
approx. 20 70 N (depending on pole number)
Locked: > 80 N
Unlocked: approx. 20 70 N (depending on pole number)
200, without resistive load
angled

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#### 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	тнт
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

#### **Material Data**

Note	(material	datal

Information on material specifications can be found here

Color	black
Cover color	gray
Material group	I
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	0.048 MJ
Weight	2.5 g

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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

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	4050821695646
Customs tariff number	85366990990

# **Environmental Product Compliance**

RoHS Compliance Status Compliant, No Exemption

# Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
KEMA	CCA DEKRA Certification B.V.	EN 61535	71- 123231
	CCA DEKRA Certification B.V.	IEC 61535	NL-85020
c <b>SU</b> us	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171

#### Declarations of conformity and manufacturer's declarations

	EU-Declaration of Conformity	-	-
Logo	Approval	Additional Approval Text	name
			Certificate

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**UK-Declaration of Conformity** 

Approvals	for marine	applications

Logo	Approval	Additional Approval Text	Certificate name
ABS:	ABS American Bureau of Shipping	Steel Vessel Rules	19- HG1869855- PDA
ONV.COM/AF	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
O LR	LR Lloyds Register	EN 61535	08/20047 (E2)

# Counterpart

188	Item no.890-112 Plug; with strain relief housing; 2-pole; 1,50 mm²; black	www.wago.com/890-112
<b>3 8</b>	Item no.890-212 Plug; 2-pole; Cod. A; 1,50 mm²; black	www.wago.com/890-212
90	Item no.890-212/342-000 Plug; with strain relief housing; 2-pole; Cod. A; 1,50 mm²; black	www.wago.com/890-212/342- 000
-6-6	Item no.891-8992/005-101 pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black	www.wago.com/891-8992 /005-101
	Item no.891-8992/205-101 pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. A; H05VV-F 2 x 1.0 mm²; 1 m; 1,00 mm²; black	www.wago.com/891-8992 /205-101

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Download

**URL** 

# Downloads CAD/CAE-Data

**CAD** data

2D/3D Models 890-802/011-000 URL Download

**PCB** Design

Symbol and Footprint 890-802/011-000

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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**Environmental Product Compliance** 

Compliance Search

Environmental Product Compliance 890-802/011-000

Socket for PCBs; angled; 2-pole; Cod. A; black

URL Download

**Installation Notes** 

**Product family** 

WINSTA® MINI

Show all products from the family

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