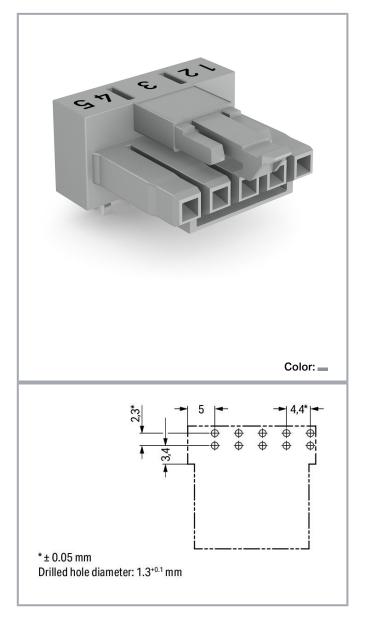
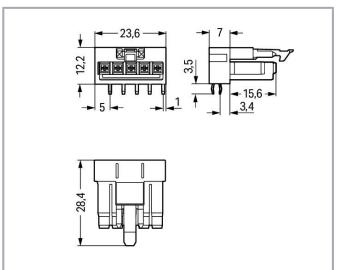
Socket for PCBs; angled; 5-pole; Cod. B; gray

www.wago.com/890-845/011-000







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

www.wago.com/890-845/011-000



### Item description

#### Female connector/socket WINSTA® MINI rated current 16 A

The WINSTA® MINI female connector/socket 5-pole are compact but powerful PCB terminal blocks. They offer easy operation and the greatest flexibility for installation. The pluggable PCB connectors with spring pressure connection technology and Push-in CAGE CLAMP® technology from WAGO permit maintenance free terminal connections. 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 suitable for applications involving process control, such as for lighting or in data networks. Thanks 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 tight spaces, i.e., for connections when very little room is available.

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

The WINSTA® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Choose durability and quality – the WINSTA® MINI pcb connector with marking from WAGO makes the electrical installation of electrical components significantly easier.

- pcb connector with protection against mismating
- consistent IP40 protection
- with B coding for controllers such as lighting fixtures and sun blinds
- 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

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

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Rated impulse voltage (III/3)	4 kV
Rated current	16 A
Note (rated current)	13 A for 3-pole load 10 A for 4- and 5-pole load
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	12 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	5
Number of levels	1

## Connection 1

Pole number	5	
-------------	---	--

# Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	23.6 mm / 0.929 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**

Application	Control technology
Subject to changes. Please also observe the	ne further product documentation!

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Coding	В
Variable coding	No
Marking	12345
Potential marking	12345
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 <sub>N</sub> = 16 A, tested (1.5 mm²)
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	ТНТ
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

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

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## **Material Data**

Note (material data)

Information on material specifications can be found here

Color	gray
Cover color	gray
Material group	1
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	0.093 MJ
Weight	5.3 g

# **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)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821890003
Customs tariff number	85366990990

# **Environmental Product Compliance**

RoHS Compliance Status Compliant, No Exemption

# Approvals / Certificates

## General approvals

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

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Approval	Additional Approval Text	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-64351
CB DEKRA Certification B.V.	EN 61984	71-112993
<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171
KEMA/KEUR DEKRA Certification B.V.	EN 60320	2148952.04
of conformity and manufacturer's declarations		
Approval	Additional Approval Text	Certificate name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
_ · · · ·	DEKRA Certification B.V.  CB DEKRA Certification B.V.  cURus Underwriters Laboratories Inc.  KEMA/KEUR DEKRA Certification B.V.  f conformity and manufacturer's declarations  Approval EU-Declaration of Conformity WAGO GmbH & Co. KG	DEKRA Certification B.V.  CB DEKRA Certification B.V.  CURus UL 1977 Underwriters Laboratories Inc.  KEMA/KEUR DEKRA Certification B.V.  F conformity and manufacturer's declarations  Approval Approval EU-Declaration of Conformity WAGO GmbH & Co. KG  UK-Declaration of Conformity  -

			Certificate
Logo	Approval	Additional Approval Text	name
A PARTONED ANGLE	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		
NV /			

# Counterpart

Item no.891-8995/005-103

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm²; gray

www.wago.com/891-8995/005-103



Item no.890-255

Plug; 5-pole; Cod. B; 1,50 mm<sup>2</sup>; gray

www.wago.com/890-255

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

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www.wago.com/890-845/011-000





Item no.891-8995/205-103

pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm<sup>2</sup>; gray

www.wago.com/891-8995/205-103

# Downloads CAD/CAE-Data

**CAD** data

2D/3D Models 890-845/011-000 URL Download

**PCB** Design

Symbol and Footprint 890-845/011-000 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 890-845/011-000 URL Download

**Environmental Product Compliance** 

Compliance Search

Environmental Product Compliance 890-845/011-000

Socket for PCBs; angled; 5-pole; Cod. B; gray

URL

Download

**Installation Notes** 

**Product family** 

WINSTA® MINI

Show all products from the family

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