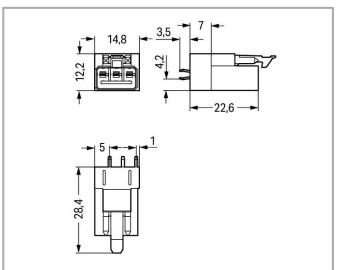
Plug for PCBs; straight; 3-pole; Cod. A; black

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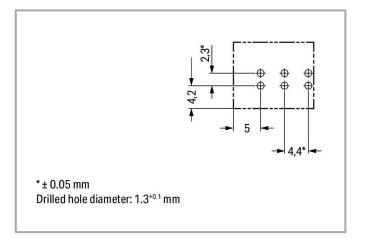




 $\label{lem:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Item description

Male connector/plug WINSTA® MINI 3-pole

WAGO has various connection solutions for any challenge in building installation, for example, the WINSTA® MINI male connector/plug. Our extensive selection of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at any time. For greater protection in electrical installations, the pcb connector is equipped with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of WINSTA® MINI pcb connectors, you can clearly distinguish different circuits. Especially where space is tight, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its advantageous properties. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it additionally can be installed quickly, since the connection is low-maintenance and requires no screw connections.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

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 WINSTA® MINI pcb connectors with protection against mismating from WAGO.

- protection against mismating eliminates errors
- consistent IP40 protection
- with A coding for a large number of applications
- convenient installation and commissioning

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

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

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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

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	3
Number of levels	1
PE function	Preceding PE contact

Connection 1

Pole number	2
Pole number	3

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	14.8 mm / 0.583 inches
Height	31.9 mm / 1.256 inches
Height from the surface	28.4 mm / 1.118 inches
Depth	12.2 mm / 0.48 inches
Solder pin length	3.5 mm

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Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.3 ^(±0.1) mm

Mechanical Data

A
•
No
N <u></u> L
N <u></u> L
approx. 20 70 N (depending on pole number)
Locked: > 80 N
Unlocked: approx. 20 70 N (depending on pole number)
200, without resistive load
straight
1 L

Plug-in connection

Male connector/plug
for PCB
Yes
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
90 °
yes
locking lever
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

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Material Data

Note (material data)

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	0.064 MJ
Weight	3.2 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

Product Group	20 (Winsta)
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	4050821695509
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

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Approvals / Certificates

General approvals

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

Declarations of conformity and manufacturer's declarations

			Certificate	
Logo	Approval	Additional Approval Text	name	
CE	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	Certificate name
ABS.	ABS American Bureau of Shipping	Steel Vessel Rules	19- HG1869855- PDA
DNV DNVCOMAF	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
O TO A POOL	LR Lloyds Register	EN 61535	08/20047 (E2)

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Counterpart



Item no.890-103 Socket; with strain relief housing; 3-pole; Cod. A; 1,50 mm²; black

www.wago.com/890-103



Item no.890-203

Socket; 3-pole; Cod. A; 1,50 mm²; black

www.wago.com/890-203

Item no.891-8993/005-101

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

www.wago.com/891-8993/005-101

Item no.891-8993/105-101

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; 1 m; 1,00 mm²; black www.wago.com/891-8993/105-101

Downloads CAD/CAE-Data

PCB Design

Symbol and Footprint 890-813

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!**

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

CA	E	da	ata

ZUKEN Portal 890-813 URL Download

CAD data

2D/3D Models 890-813 URL Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-813 URL Download Plug for PCBs; straight; 3-pole; Cod. A; black

Installation Notes

Product family

WINSTA® MINI

Show all products from the family

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