

**Data sheet | Item number: 890-994**

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

[www.wago.com/890-994](http://www.wago.com/890-994)



**Color:**



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

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## Item description

### Distribution connector *WINSTA*® MINI A coding

For signal and power transmission: The *WINSTA*® MINI distribution connector A coding. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The *WINSTA*® MINI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology.

### 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 significantly reduces the need for servicing and lowers costs. Choose durability and quality – the *WINSTA*® MINI pluggable installation connector with marking from WAGO makes the electrical installation of electrical components visibly easier.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in many general mains applications
- flexible installation to save space
- rapid, structured electrical installation

## Data

### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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



## 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 information

Note on contact resistance

approx. 1 mΩ of contact resistance  
approx. 0.25 mΩ contact transition plug/socket

## Connection data

Total number of potentials	4
PE function	Preceding PE contact

## Connection 1

Pole number	4
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## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	20.8 mm / 0.819 inches
Height	32.65 mm / 1.285 inches
Depth	57.85 mm / 2.278 inches

## Mechanical Data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\frac{2}{L}$ 1/L'
Potential marking	N $\frac{2}{L}$ 1/L'
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	When 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
Type of distribution box	h-distribution connector, outputs at one end

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



Protection type	IP20; IP40 when mated
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## Plug-in connection

Contact type (pluggable connector)	Socket/plug
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Mismating protection	Yes
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Note on mismating protection	All <b>WINSTA</b> <sup>®</sup> 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
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Locking lever	yes
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Locking of plug-in connection	locking lever
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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).
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Number of locking levers	
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## Material Data

Note (material data)	Information on material specifications can be found here
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Color	white
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Material group	I
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Insulation material	Polyamide (PA66)
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Flammability class per UL94	V0
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Contact material	Copper or copper alloy; surface-treated
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Contact plating	Tin
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Fire load	0.338 MJ
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Weight	19 g
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## Environmental requirements

Processing temperature	-5 ... +40 °C
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Continuous operating temperature	-35 ... +85 °C
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Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C
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Subject to changes. Please also observe the further product documentation!



## Commercial data

Product Group	20 (Winsta)
eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821255178
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
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-85020
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71- 123231
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	Steel Vessel Rules	19- HG1869855-

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PDA

DNV GL

Det Norske Veritas, Germanischer Lloyd

TAE00001Z6

**Counterpart****Item no.890-124**Socket; with strain relief housing; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white[www.wago.com/890-124](http://www.wago.com/890-124)**Item no.890-134**Plug; with strain relief housing; 4-pole; 1,50 mm<sup>2</sup>; white[www.wago.com/890-134](http://www.wago.com/890-134)**Item no.890-224**Socket; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white[www.wago.com/890-224](http://www.wago.com/890-224)**Item no.890-234**Plug; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; white[www.wago.com/890-234](http://www.wago.com/890-234)**Item no.891-8994/006-102**pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white[www.wago.com/891-8994/006-102](http://www.wago.com/891-8994/006-102)**Item no.891-8994/106-102**pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white[www.wago.com/891-8994/106-102](http://www.wago.com/891-8994/106-102)**Item no.891-8994/206-102**pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm<sup>2</sup>; 1 m; 1,50 mm<sup>2</sup>; white[www.wago.com/891-8994/206-102](http://www.wago.com/891-8994/206-102)**Required accessories****Mounting**

Mounting accessories

**Item no.: 890-624**

Mounting plate; 4-pole; for distribution connectors; Plastic; black

[www.wago.com/890-624](http://www.wago.com/890-624)**Item no.: 890-674**

Mounting plate; 4-pole; for distribution connectors; Plastic; white

[www.wago.com/890-674](http://www.wago.com/890-674)**Downloads****Documentation****Bid Text**

890-994 X81 - Datei	2019 年2月19日	xml 2.8 kB	Download
890-994 doc - Datei	2014 年12月1日	doc 23.0 kB	Download

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## CAD/CAE-Data

### CAD data

2D/3D Models 890-994	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

WSCAD Universe 890-994	<a href="#">URL</a>	<a href="#">Download</a>
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ZUKEN Portal 890-994	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-994	<a href="#">URL</a>	<a href="#">Download</a>
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h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

## Installation Notes

### Installation



Secure the mounting plate via pins.

## Product family

**WINSTA® MINI**

[Show all products from the family](#)

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