

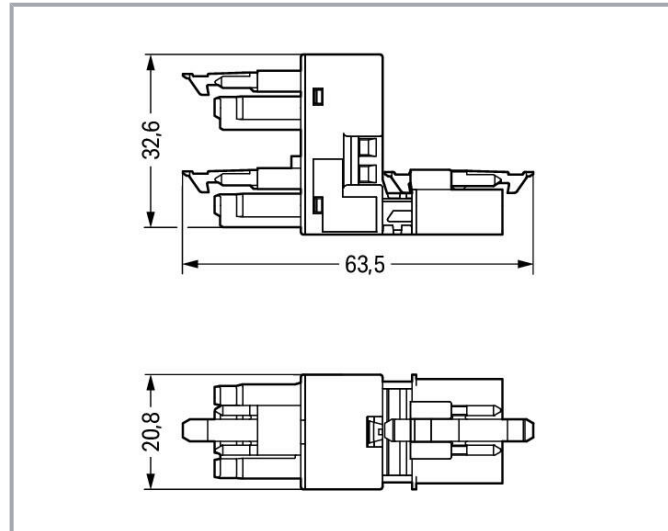
## Data sheet | Item number: 890-945

h-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; black

[www.wago.com/890-945](http://www.wago.com/890-945)



Color: ■



### Item description

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

The *WINSTA*® MINI distribution connector with protection type IP20 allows assembly of solid and fine-stranded conductors. WAGO pluggable installation connectors are used when requirements repeat or are planned on a specified pattern, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. *WINSTA*® MINI follows the trend towards 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 much less space for the connection technology.

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

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

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation costs without compromising safety and quality: with protection against mismatching eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- suitable for any application
- exact dimensions
- convenient installation and commissioning

## 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

#### 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
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### Connection data

Total number of potentials	4
PE function	Preceding PE contact

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## 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	63.5 mm / 2.5 inches

## Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\nabla$ 2/L 1/L'
Potential marking	N $\nabla$ 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
Protection type	IP20; IP40 when mated
Suitable	for flying leads

## Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All WINSTA <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
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

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plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

Number of locking levers
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## Material data

Note (material data)

Information on material specifications can be found here

Color	black
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.35 MJ
Weight	19.3 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

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
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821255161
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.	EN 61535	71-123231
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL-85020

### 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-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6

## Counterpart



**Item no.890-104**  
Socket; with strain relief housing; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; black

[www.wago.com/890-104](http://www.wago.com/890-104)



**Item no.890-114**  
Plug; with strain relief housing; 4-pole; 1,50 mm<sup>2</sup>; black

[www.wago.com/890-114](http://www.wago.com/890-114)

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**Item no. 890-204**  
Socket; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; black

[www.wago.com/890-204](http://www.wago.com/890-204)



**Item no. 890-214**  
Plug; 4-pole; Cod. A; 1,50 mm<sup>2</sup>; black

[www.wago.com/890-214](http://www.wago.com/890-214)



**Item no. 891-8994/006-101**  
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>; black

[www.wago.com/891-8994/006-101](http://www.wago.com/891-8994/006-101)



**Item no. 891-8994/106-101**  
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>; black

[www.wago.com/891-8994/106-101](http://www.wago.com/891-8994/106-101)



**Item no. 891-8994/206-101**  
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>; black

[www.wago.com/891-8994/206-101](http://www.wago.com/891-8994/206-101)

## 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

890-945 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
890-945 doc - Datei	2014 年12月1 日	doc 23.0 kB	Download

## CAD/CAE-Data

### CAD data

2D/3D Models 890-945	URL	Download
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### CAE data

#### WSCAD Universe 890-945

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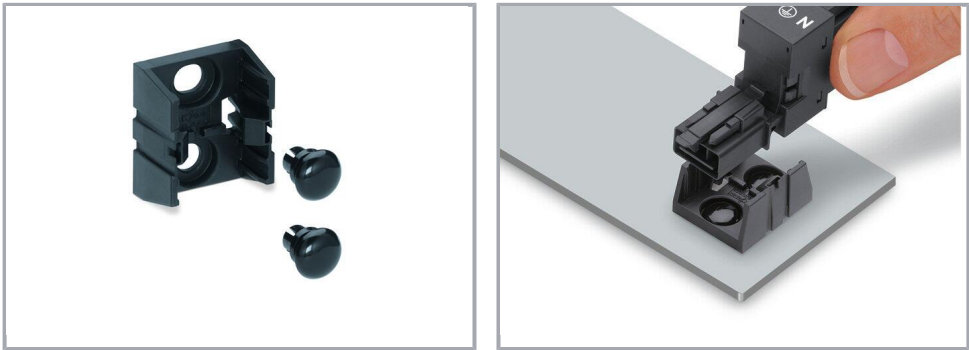
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 890-945	<a href="#">URL</a>	<a href="#">Download</a>
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Installation Notes

Installation



Secure the mounting plate via pins.

Product family

WINSTA® MINI  
[Show all products from the family](#)

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