

**Data sheet | Item number: 890-1602**

T-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; 2 locking levers;  
light green



[www.wago.com/890-1602](http://www.wago.com/890-1602)



**Color:**



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.



## Item description

### Distribution connector *WINSTA*® MINI rated current 16 A

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI distribution connector with locking latch. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in seconds. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismatching. B coding enables the *WINSTA*® MINI pluggable installation connectors to be used for control in applications in the domains of automation, mechanical engineering and robotics. Due to its particularly compact dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is very suitable in very tight spaces, i.e., for connections when very little room is available.

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

The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also reduce installation expenses without compromising safety and quality: The *WINSTA*® MINI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- 
- pluggable installation connectors with protection against mismatching
- easy tool-free operation, a wide range of coding options
- with B coding for controllers, for example lighting fixtures and sun blinds
- custom-engineered solutions
- 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

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

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### 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 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	2
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### Connection 1

Pole number	2
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### Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	13.5 mm / 0.531 inches
Height	34 mm / 1.339 inches
Depth	54 mm / 2.122 inches

### Mechanical Data

Application	Control technology
Coding	B
Variable coding	No

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



Marking	1 2
Potential marking	1 2
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	T-distribution connector
Protection type	IP20; IP40 when mated

### Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> <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 plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).
Number of locking levers	

### Material Data

Note (material data)	Information on material specifications can be found here
Color	light green
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	0.126 MJ
Weight	5.9 g

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



## 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
PU (SPU)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821560050
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Counterpart

<b>Item no.890-262</b> Socket; 2-pole; Cod. B; 1,50 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/890-262">www.wago.com/890-262</a>
<b>Item no.890-272</b> Plug; 2-pole; 1,50 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/890-272">www.wago.com/890-272</a>
<b>Item no.891-8992/005-105</b> pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/891-8992/005-105">www.wago.com/891-8992/005-105</a>
<b>Item no.891-8992/105-105</b> pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/891-8992/105-105">www.wago.com/891-8992/105-105</a>
<b>Item no.891-8992/205-105</b> pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. B; Control cable 2 x 1.0 mm <sup>2</sup> ; 1 m; 1,00 mm <sup>2</sup> ; light green	<a href="http://www.wago.com/891-8992/205-105">www.wago.com/891-8992/205-105</a>

## Downloads

### Documentation

#### Bid Text

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890-1602 X81 - Datei	2019 年2月19日	xml 2.8 kB	Download
890-1602 doc - Datei	2014 年12月3日	doc 23.0 kB	Download

## CAD/CAE-Data

### CAE data

WSCAD Universe 890-1602	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-1602 T-distribution connector; 2-pole; Cod. B; 1 input; 2 outputs; 2 locking levers; light green	URL	Download
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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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