

**Data sheet | Item number: 890-622**

T-distribution connector; 5-pole; Cod. A; 1 input; 2 outputs; 3 locking levers;  
for flying leads; black

[www.wago.com/890-622](http://www.wago.com/890-622)



**Color:**



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

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We are always happy to take your call at +49 (571) 887-44222.



## Item description

### Distribution connector *WINSTA*® MINI with protection against mismatching

The *WINSTA*® MINI distribution connector with locking latch supports fast, reliable installation. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in a large number of possible uses. The color coding and mechanical 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 is our response to the trend toward miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since as a result of LED technology; due to complex systems, these offer much less space for the connection technology.

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

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 pluggable installation connectors with marking from WAGO.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- suitable for any application
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

## 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	13 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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## 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	5
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## Connection 1

Pole number	5
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## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	26.7 mm / 0.705 inches
Height	39.6 mm / 1.559 inches
Depth	54 mm / 2.122 inches

## Mechanical Data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\downarrow$ 1 2 3
Potential marking	N $\downarrow$ 1 2 3
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

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Suitable

for flying leads

## Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
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
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	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.259 MJ
Weight	12.6 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)
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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	4050821229513
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
	<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-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	<b>LR</b>	EN 61535	08/20047

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## Counterpart

<b>Item no.890-105</b> Socket; with strain relief housing; 5-pole; Cod. A; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/890-105">www.wago.com/890-105</a>
<b>Item no.890-115</b> Plug; with strain relief housing; 5-pole; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/890-115">www.wago.com/890-115</a>
<b>Item no.890-205</b> Socket; 5-pole; Cod. A; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/890-205">www.wago.com/890-205</a>
<b>Item no.890-215</b> Plug; 5-pole; Cod. A; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/890-215">www.wago.com/890-215</a>
<b>Item no.891-8995/006-101</b> pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/891-8995/006-101">www.wago.com/891-8995/006-101</a>
<b>Item no.891-8995/206-101</b> pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/891-8995/206-101">www.wago.com/891-8995/206-101</a>
<b>Item no.891-8995/106-101</b> pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; black	<a href="http://www.wago.com/891-8995/106-101">www.wago.com/891-8995/106-101</a>

## Downloads

### Documentation

#### Bid Text

890-622 X81 - Datei	2019 年2月19日	xml 2.9 kB	Download
890-622 doc - Datei	2014 年12月3日	doc 23.0 kB	Download

### CAD/CAE-Data

#### CAE data

WSCAD Universe 890-622	URL	Download
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#### CAD data

2D/3D Models 890-622	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-622

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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