

**Data sheet | Item number: 890-620**

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

[www.wago.com/890-620](http://www.wago.com/890-620)



**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 with protection against mismatching

For signal and power transmission: The *WINSTA*® MINI distribution connector with protection type IP20. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in next to no time. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Controlled lighting equipment, as implemented with the DALI standard, for example, is the main use of *WINSTA*® MINI pluggable installation connectors with I coding. Thanks to its particularly small dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is especially suitable in very tight spaces, i.e., for installations 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 allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MINI pluggable installation connectors with protection type IP20 from WAGO.

- effective protection against mismatching
- consistent IP40 protection
- with I coding for lighting control (DALI standard)
- ready to install and use immediately
- 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

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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
PE function	Preceding PE contact

## 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	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N $\perp$ L - +
Potential marking	N $\perp$ 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	T-distribution connector

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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 <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	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.27 MJ
Weight	12.5 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

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)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821229490
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
<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
<b>LR</b> Lloyds Register	EN 61535	08/20047 (E2)

## Counterpart

<b>Item no.890-1105</b> Socket; 5-pole; Cod. I; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/890-1105">www.wago.com/890-1105</a>
<b>Item no.890-1115</b> Plug; 5-pole; Cod. I; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/890-1115">www.wago.com/890-1115</a>
<b>Item no.891-8985/006-101</b> pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/891-8985/006-101">www.wago.com/891-8985/006-101</a>
<b>Item no.891-8985/106-101</b> pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/891-8985/106-101">www.wago.com/891-8985/106-101</a>
<b>Item no.891-8985/206-101</b> pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. I; H05VV-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/891-8985/206-101">www.wago.com/891-8985/206-101</a>

## Downloads

### Documentation

#### Bid Text

890-620 X81 - Datei	2019 年2月19日	xml 2.9 kB	Download
890-620 doc - Datei	2014 年12月3日	doc 23.0 kB	Download

### CAD/CAE-Data

#### CAE data

WSCAD Universe 890-620	URL	Download
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#### CAD data

2D/3D Models 890-620	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-620

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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