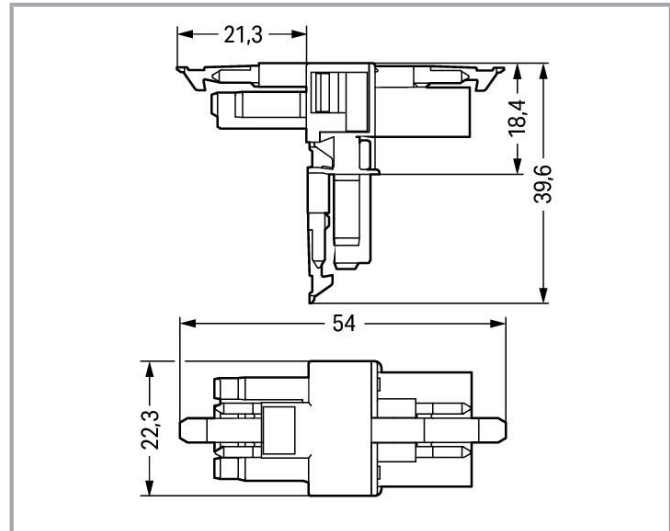


## Data sheet | Item number: 890-677

T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 3 locking levers;  
for flying leads; white

[www.wago.com/890-677](http://www.wago.com/890-677)



### Item description

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

For signal and power transmission: The *WINSTA*® MINI distribution connector 4-pole. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in no time flat. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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 instance, since as a result of LED technology; due to complex

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

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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 protection against mismatching from WAGO.

- protection against mismatching eliminates errors
- compact design for conductors with a cross-section up to 1.5 mm<sup>2</sup>
- suitable for any application
- 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

#### 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

## Connection 1

Pole number	4
-------------	---

## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	22.3 mm / 0.878 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 $\nabla$ 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	T-distribution connector
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	<p>All <i>WINSTA</i><sup>®</sup> components are 100% protected against mismating when:</p> <ul style="list-style-type: none"> <li>a.) plugging different numbers of poles</li> <li>b.) plugging while rotated 180</li> <li>c.) plugging while laterally staggered</li> <li>d.) plugging one pole</li> </ul>

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



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	white
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	0.24 MJ
Weight	10.6 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures $\leq 105$ °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)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821229575

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

Customs tariff number

85366990990



## Environmental Product Compliance

RoHS Compliance Status



Compliant, No Exemption

## 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

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LR  
Lloyds Register

EN 61535

08/20047  
(E2)

## 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)

## Downloads

### Documentation

#### Bid Text

890-677 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
890-677 doc - Datei	2014 年12月3 日	doc 23.0 kB	Download

## CAD/CAE-Data

### CAE data

WSCAD Universe 890-677	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 890-677

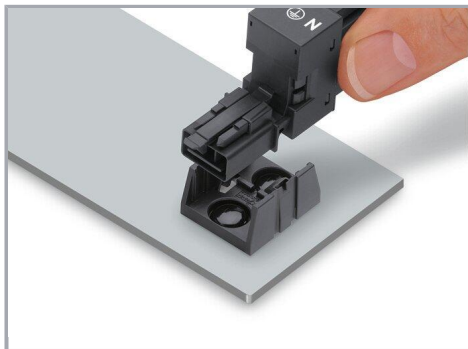
URL

Download

T-distribution connector; 4-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white

## Installation Notes

### Installation



Secure the mounting plate via pins.

## Product family

WINSTA® MINI

[Show all products from the family](#)

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