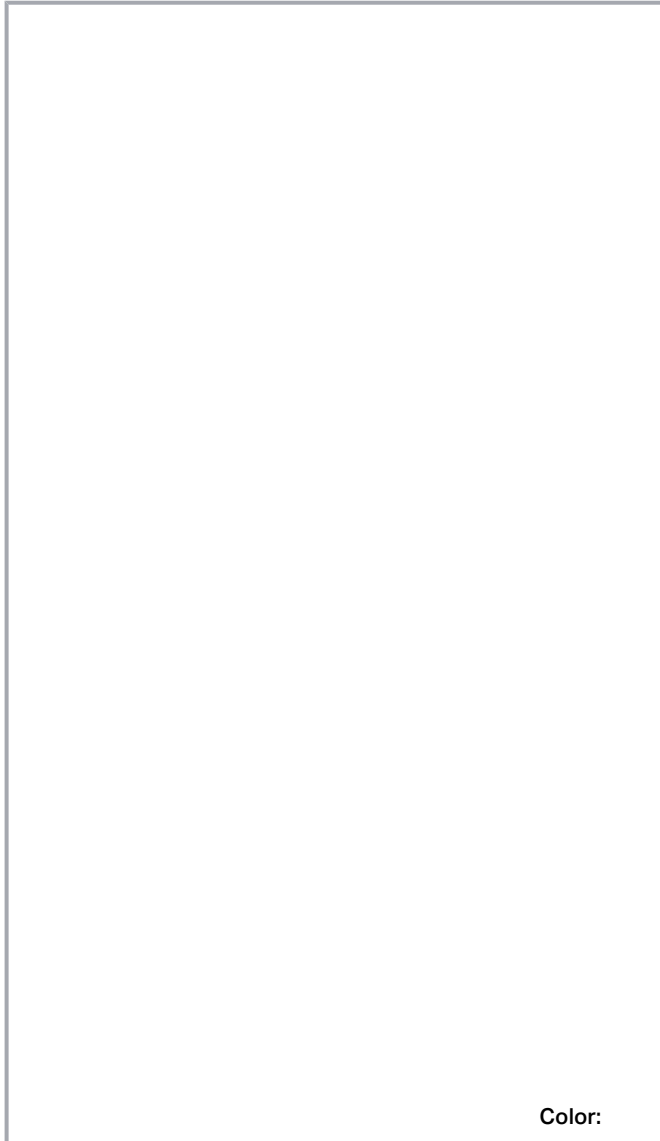


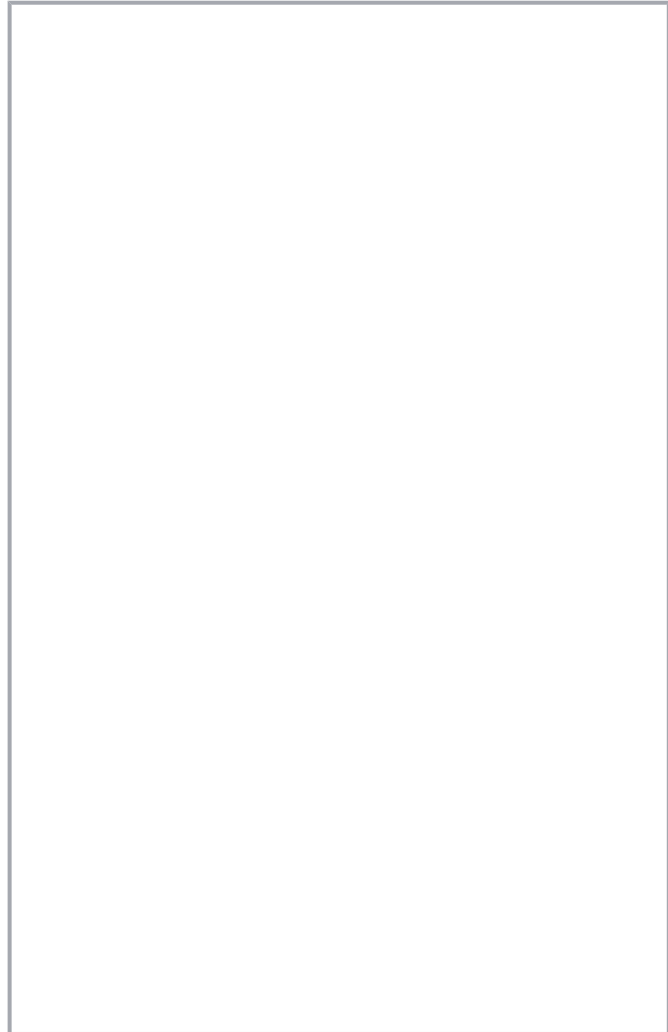
**Data sheet | Item number: 770-665**

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

[www.wago.com/770-665](http://www.wago.com/770-665)



**Color:**



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

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## Item description

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

For signal and power transmission: The *WINSTA*® MIDI distribution connector rated current 25 A. WAGO pluggable installation connectors are used when requirements repeat or are planned on a specific pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). The *WINSTA*® MIDI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. Important parameters in the selection of a pluggable installation connector are the rated current and voltage: They tell us about the product's domains of use. This product has a current rating of 25 A – therefore it is suitable for robust loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates precise electrification. Due to the integrated test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense.

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

The *WINSTA*® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. Now you can also lower installation expenses without compromising safety and quality: The *WINSTA*® MIDI pluggable installation connector with locking lever eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with A coding for a great number of applications
- 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)	250 V
Rated impulse voltage (III/3)	4 kV

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

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Rated current	25 A
Legend (ratings)	(III / 3) $\hat{=}$ 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 16 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	23 A

### General information

Note on contact resistance	approx. 1 m $\Omega$ of contact resistance approx. 0.25 m $\Omega$ contact transition plug/socket
----------------------------	--

### Connection data

Total number of potentials	3
PE function	Preceding PE contact

### Connection 1

Pole number	3
-------------	---

### Physical data

Pin spacing	10 mm / 0.394 inches
Width	34 mm / 1.339 inches
Height	35.9 mm / 1.413 inches
Depth	48.9 mm / 1.925 inches

### Mechanical Data

Application	General mains applications
Coding	A
Marking	L $\perp$ N
Potential marking	L $\perp$ N
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)

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



Number of mating cycles	200, without resistive load
Type of distribution box	T-distribution connector
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
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	white
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.331 MJ
Weight	16.5 g

### Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C

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Note on continuous operating temperature

Insulating parts for temperatures ≤ 105 °C

### Commercial data

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)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918582117
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	71-123228
	<b>CCA</b> DEKRA Certification B.V.	IEC 61535	NL -84761
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1977	E45171
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E 45172

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-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	-	19-HG1868589-

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PDA

<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
<b>LR</b> Lloyds Register	IEC 61984	LR22429487TA

## Counterpart

<b>Item no.770-123</b> Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-123">www.wago.com/770-123</a>
<b>Item no.770-133</b> Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-133">www.wago.com/770-133</a>
<b>Item no.770-223</b> Socket; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-223">www.wago.com/770-223</a>
<b>Item no.770-223/035-050</b> Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-223/035-050">www.wago.com/770-223/035-050</a>
<b>Item no.770-233</b> Plug; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-233">www.wago.com/770-233</a>
<b>Item no.770-233/035-050</b> Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; white	<a href="http://www.wago.com/770-233/035-050">www.wago.com/770-233/035-050</a>
<b>Item no.771-9993/006-102</b> pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9993/006-102">www.wago.com/771-9993/006-102</a>
<b>Item no.771-9993/106-102</b> pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9993/106-102">www.wago.com/771-9993/106-102</a>
<b>Item no.771-9993/206-102</b> pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV-F 3G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white	<a href="http://www.wago.com/771-9993/206-102">www.wago.com/771-9993/206-102</a>

## Optional accessories

### Cover

<b>Item no.: 770-360</b> Lockout cap; for plugs; 5-pole; separable; yellow	<a href="http://www.wago.com/770-360">www.wago.com/770-360</a>
<b>Item no.: 770-201</b> Lockout cap; 12-pole, separable; for sockets; Plastic; black	<a href="http://www.wago.com/770-201">www.wago.com/770-201</a>
<b>Item no.: 770-221</b> Lockout cap; 12-pole, separable; for sockets; Plastic; white	<a href="http://www.wago.com/770-221">www.wago.com/770-221</a>

### Mounting

<b>Item no.: 770-354</b>
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Subject to changes. Please also observe the further product documentation!

## Downloads

### Documentation

#### Bid Text

770-665 X81 - Datei	2019 年2月19 日	xml 2.9 kB	Download
770-665 doc - Datei	2015 年3月12 日	doc 23.6 kB	Download
ausschreiben.de 770-665		URL	Download

## CAD/CAE-Data

### CAD data

2D/3D Models 770-665		URL	Download
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### CAE data

EPLAN Data Portal 770-665		URL	Download
ZUKEN Portal 770-665		URL	Download
WSCAD Universe 770-665		URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-665 T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white		URL	Download
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## Installation Notes

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



## Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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