

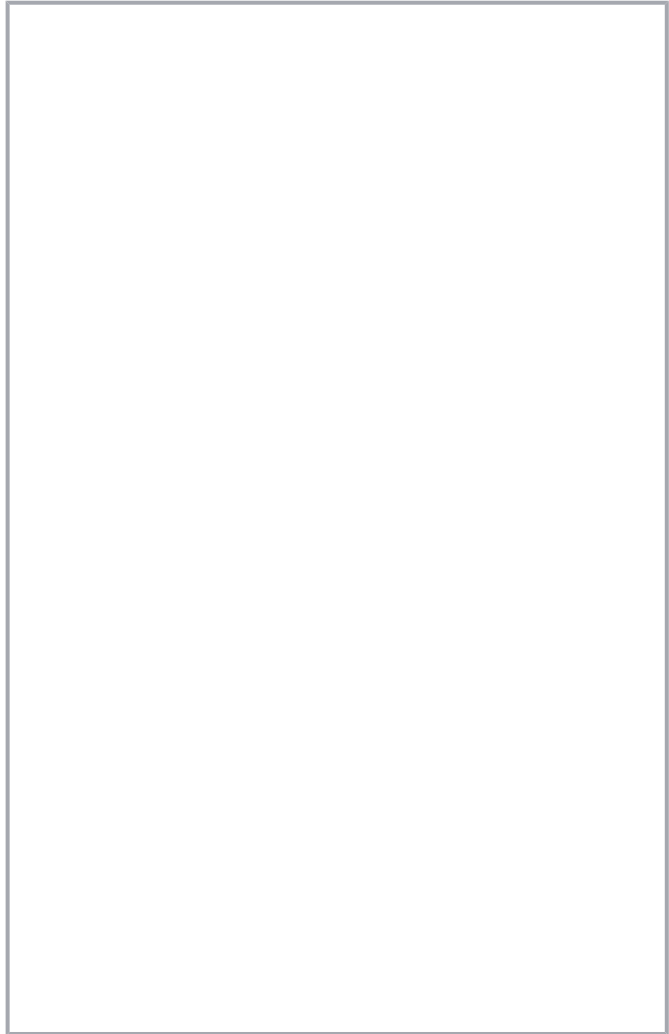
**Data sheet | Item number: 770-615**

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

[www.wago.com/770-615](http://www.wago.com/770-615)



**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*® MIDI 3-pole

For signal and power transmission: The *WINSTA*® MIDI distribution connector with protection against mismatching. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow resource-efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Thanks to the color coding and mechanical A coding of *WINSTA*® MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation connector can be used for a current load of up to 25 A. Therefore, it can also be used for high power loads. The *WINSTA*® MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

### 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 thus more efficient, more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® MIDI pluggable installation connectors with locking lever from WAGO.

- effective protection against mismatching
- pre-assembled versions
- with A coding for a large number of applications
- custom-engineered solutions
- convenient installation and commissioning

## 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
Rated current	25 A

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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 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 mΩ of contact resistance  
approx. 0.25 mΩ 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: &gt; 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

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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	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.375 MJ
Weight	16.4 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

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## 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	4044918582094
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-PDA
	<b>DNV GL</b>	-	TAE00001Z6

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Det Norske Veritas, Germanischer Lloyd

LR  
Lloyds Register

IEC 61984

LR22429487TA

## Counterpart

<b>Item no.770-103</b> Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-103">www.wago.com/770-103</a>
<b>Item no.770-113</b> Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-113">www.wago.com/770-113</a>
<b>Item no.770-203</b> Socket; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-203">www.wago.com/770-203</a>
<b>Item no.770-203/035-000</b> Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-203/035-000">www.wago.com/770-203/035-000</a>
<b>Item no.770-213</b> Plug; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-213">www.wago.com/770-213</a>
<b>Item no.770-213/035-000</b> Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm <sup>2</sup> ; black	<a href="http://www.wago.com/770-213/035-000">www.wago.com/770-213/035-000</a>
<b>Item no.771-9993/006-101</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> ; black	<a href="http://www.wago.com/771-9993/006-101">www.wago.com/771-9993/006-101</a>
<b>Item no.771-9993/106-101</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> ; black	<a href="http://www.wago.com/771-9993/106-101">www.wago.com/771-9993/106-101</a>
<b>Item no.771-9993/206-101</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> ; black	<a href="http://www.wago.com/771-9993/206-101">www.wago.com/771-9993/206-101</a>

## Optional accessories

### Cover

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

Mounting accessories	
<b>Item no.: 770-354</b> Mounting plate; 2- to 5-pole; for distribution connectors; silver-colored	<a href="http://www.wago.com/770-354">www.wago.com/770-354</a>

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## Downloads

### Documentation

#### Bid Text

770-615 X81 - Datei	19 Feb 2019	xml 2.9 kB	Download
770-615 doc - Datei	12 Mar 2015	doc 23.6 kB	Download
<a href="http://ausschreiben.de/770-615">ausschreiben.de 770-615</a>		URL	Download

### CAD/CAE-Data

#### CAD data

<a href="#">2D/3D Models 770-615</a>	URL	Download
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#### CAE data

<a href="#">EPLAN Data Portal 770-615</a>	URL	Download
<a href="#">WSCAD Universe 770-615</a>	URL	Download
<a href="#">ZUKEN Portal 770-615</a>	URL	Download

### Environmental Product Compliance

#### Compliance Search

<a href="#">Environmental Product Compliance 770-615</a> T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; black	URL	Download
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### Installation Notes

### Product family

#### WINSTA® MIDI

[Show all products from the family](#)

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