

**Data sheet | Item number: 770-653**

Intermediate coupler; 3-pole; Cod. A; for sockets and plugs; white

[www.wago.com/770-653](http://www.wago.com/770-653)



**Color:**

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

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## Item description

### Distribution connector *WINSTA*® MIDI 3-pole

The *WINSTA*® MIDI distribution connector 3-pole provides the foundation for installation of fine-stranded and solid conductors. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous variety of requirements in seconds. 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 white or black is usually 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 – so it is suitable for powerful loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is used in a broad range of individual products you can use for quick, easy and maximally flexible installation.

### Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

*WINSTA*® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Choose durability and quality – the *WINSTA*® MIDI pluggable installation connector with protection against mismatching from WAGO makes the electrical installation of electrical components significantly easier.

- effective protection against mismatching
- simple circuits
- with A coding for a great number of uses
- flexible installation to save space
- rapid, structured electrical installation

## Data

### Notes

Note	At least one snap-in connector <b>WITHOUT</b> a locking lever is required on one side when connecting two lights directly via intermediate coupler.
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## Electrical data

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



### 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
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
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### Connection data

Total number of potentials	3
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### Connection 1

Pole number	3
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### Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	11.6 mm / 0.457 inches
Depth	40 mm / 1.575 inches

### Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	plain

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



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	Intermediate coupler
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

## Plug-in connection

Contact type (pluggable connector)	Socket/plug
Mismating protection	Yes
Note on mismating protection	All WINSTA <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	no
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).

## 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	0.126 MJ
Weight	6.4 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
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Subject to changes. Please also observe the further product documentation!



Continuous operating temperature	-35 ... +85 °C
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)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918524186
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 -84761
	<b>CCA</b> DEKRA Certification B.V.	EN 61535	71- 123228
	<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>	-	19-

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American Bureau of Shipping		HG1868589-PDA
<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
<b>LR</b> Lloyds Register	IEC 61984	LR22429487TA

## 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>

## Downloads

### Documentation

#### Bid Text

770-653 X81 - Datei	2019 年2月19日	xml 2.8 kB	Download
770-653 doc - Datei	2014 年12月4日	doc 23.6 kB	Download

### CAD/CAE-Data

#### CAD data

2D/3D Models 770-653	URL	Download
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#### CAE data

EPLAN Data Portal 770-653	URL	Download
WSCAD Universe 770-653	URL	Download
ZUKEN Portal 770-653	URL	Download

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 770-653

URL

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## Installation Notes

### Product family

**WINSTA® MIDI**

[Show all products from the family](#)

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