

## Item description

### Distribution connector *WINSTA*® MINI with protection type IP20

The *WINSTA*® MINI distribution connector with protection type IP20 is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in no time flat. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. Thanks to the color coding and mechanical A coding of *WINSTA*® MINI pluggable installation connectors, you can clearly distinguish different circuits. Due to its particularly small dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is very suitable in very tight spaces, i.e., for connections when very little room is available.

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

*WINSTA*® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Choose durability and quality – the *WINSTA*® MINI pluggable installation connector with

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



protection against mismatching from WAGO makes the installation of electrical components noticeably easier.

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- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in many general mains applications
- flexible installation to save space
- convenient installation and commissioning

## 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

### 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	13 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

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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Subject to changes. Please also observe the further product documentation!



## Connection data

Total number of potentials	5
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## Connection 1

Pole number	5
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## Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	23.65 mm / 0.931 inches
Height	10.5 mm / 0.413 inches
Depth	37.2 mm / 1.465 inches

## Mechanical Data

Application	General mains applications
Coding	A
Variable coding	No
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; IP40 when mated

## 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	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

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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	0.094 MJ
Weight	5.8 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

## 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)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4050821295464
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
	CCA DEKRA Certification B.V.	EN 61535	71- 123231
	CCA DEKRA Certification B.V.	IEC 61535	NL-85020
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	Steel Vessel Rules	19- HG1869855- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
	LR Lloyds Register	EN 61535	08/20047 (E2)

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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.

## Counterpart



Item no.890-725/006-000

Snap-in socket; without locking lever; 5-pole; Cod. A; 1,50 mm<sup>2</sup>; white

[www.wago.com/890-725/006-000](http://www.wago.com/890-725/006-000)

## Downloads

### Documentation

#### Bid Text

890-655 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
890-655 doc - Datei	2018 Nov 30	doc 23.6 kB	Download

## CAD/CAE-Data

### CAD data

2D/3D Models 890-655	URL	Download
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### CAE data

WSCAD Universe 890-655	URL	Download
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ZUKEN Portal 890-655	URL	Download
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## Environmental Product Compliance

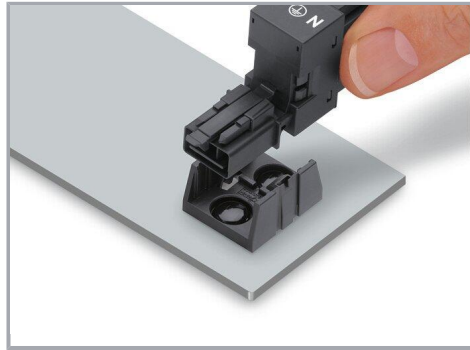
### Compliance Search

Environmental Product Compliance 890-655 Intermediate coupler; 5-pole; Cod. A; for sockets and plugs; white	URL	Download
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## Installation Notes

### Installation

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Secure the mounting plate via pins.

## Product family

**WINSTA® MINI**

[Show all products from the family](#)

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