

## Item description

### Supply module *WINSTA*® IDC with protection against mismatching

For signal and power transmission: The *WINSTA*® IDC supply module 2-pole. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in seconds. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with electrified contact elements. The standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. This product meets all the relevant safety

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

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requirements of fire class E; as a result it can be used in areas where fire safety is relevant.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® IDC pluggable installation connectors with protection against mismatching from WAGO.

- effective protection against mismatching
- products perfectly tailored to your requirements guarantee safe use
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

### Data

#### Electrical data

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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#### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

#### Connection data

##### Connection 1

Connection technology	IDC connection
Actuation type	Operating tool
Conductor diameter	0.6 ... 0.8 mm
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Number of poles	2

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## Physical data

Width	17.7 mm / 0.697 inch
Height	23.45 mm / 0.923 inch
Depth	36.8 mm / 1.449 inch

## Mechanical data

technology	KNX
Application	KNX
Variable coding	No
Retention force of a plug-in connection	When locked: > 80 N
Number of mating cycles	200
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for flat cable 2 x 1.5 mm <sup>2</sup>

## Plug-in connection

Mismating protection	Yes
Note on mismating protection	All WINSTA® 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 of plug-in connection	locking lever

## Material data

Note (material data)	Information on material data can be found here
Color	black
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Weight	16 g

## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free)

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PVC flat cable for temperatures  $-15^{\circ}\text{C}$  to  $\leq 70^{\circ}\text{C}$  (including halogen-free)

Insulating parts for temperatures  $\leq 105^{\circ}\text{C}$

## Commercial data



Product Group	20 (WINSTA)
PU (SPU)	25 Stück
Packaging type	box
Country of origin VKOrg Germany	CH
GTIN	4045454267391
Customs tariff number VKOrg Germany	8536698000

## Other

technology	KNX
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## Optional accessories

### Cables and pluggable connectors

Flat cable	
	<p><b>Item no.: 897-121</b>            Flat cable; Eca; 2 x 1.5 mm<sup>2</sup>; PVC; 2 buses; 50 V; 1,50 mm<sup>2</sup>; light gray</p> <p><a href="http://www.wago.com/897-121">www.wago.com/897-121</a></p>
	<p><b>Item no.: 897-122</b>            Flat cable; Dca; 2 x 1.5 mm<sup>2</sup>; halogen-free; 2 buses; 50 V; 1,50 mm<sup>2</sup>; light gray</p> <p><a href="http://www.wago.com/897-122">www.wago.com/897-122</a></p>

## Downloads

### Documentation

#### Bid Text

893-121	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
893-121	2015 Jan 9	doc	Download
doc - Datei		23.0 kB	

## CAD files

### CAE data

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EPLAN Data Portal 893-121	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 893-121	<a href="#">URL</a>	<a href="#">Download</a>

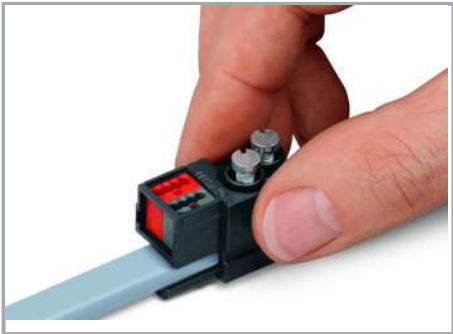
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-121	<a href="#">URL</a>	<a href="#">Download</a>
Supply module; for flat cable; 2-pole; black		

Installation Notes

Conductor termination



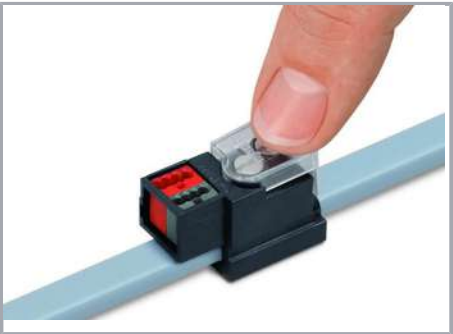
The IDC module can only be mounted if the two codings match each other.

Should the IDC module jam during mounting, turn the module by 180° and remount it, flush with the base.



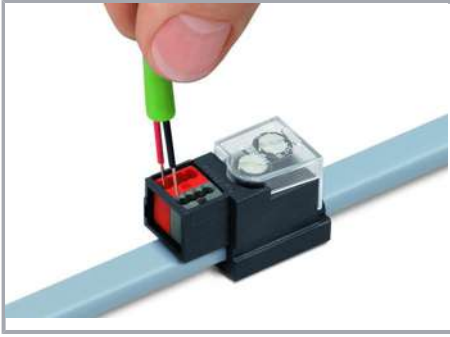
Tighten the screws to connect the flat cable.

Observe 1 Nm of tightening torque!



Snap the transparent protective cover onto the module.

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Terminate stripped, solid conductors by simply pushing them into unit until they hit backstop.

## Product family

### WINSTA® IDC

[Show all products from the family](#)

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