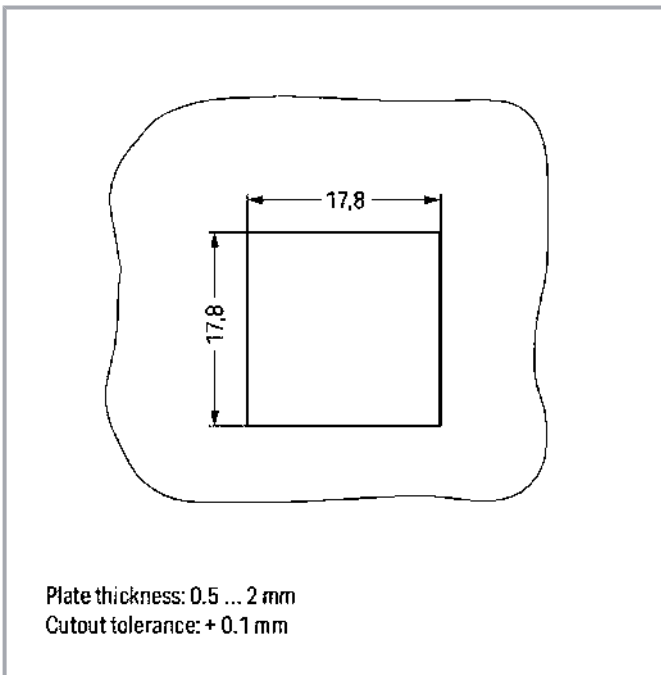
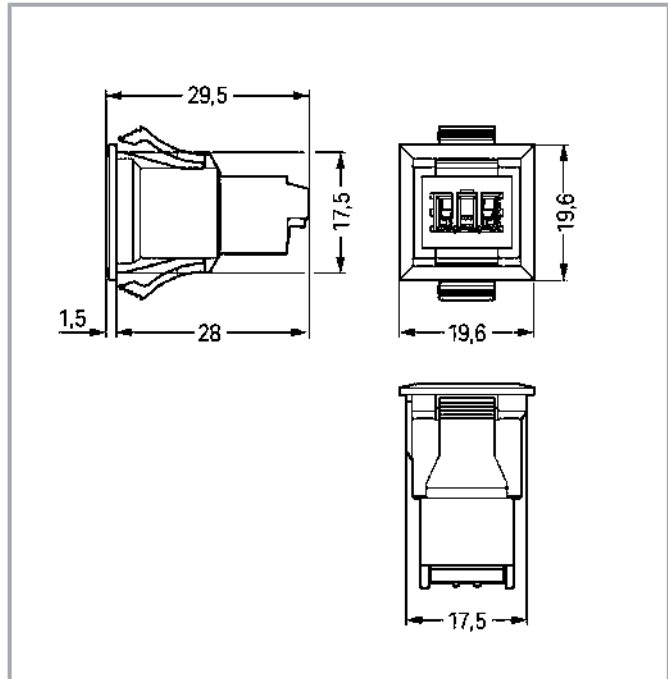


**Data sheet | Item number: 893-2002**

Snap-in socket; without locking lever; 2-pole; Cod. E; green

[www.wago.com/893-2002](http://www.wago.com/893-2002)



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

WAGO Corporation  
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Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
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## Item description

### Female connector/socket *WINSTA*® KNX with protection type IP20

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® KNX female connector/socket with protection type IP20. The pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in a large number of applications. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected in accordance with protection type IP20 (Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)). This means that users' fingers will never come into contact with live contact elements. The KNX protocol allows different equipment within one building system to communicate. *WINSTA*® KNX pluggable installation connectors with E coding are often used in KNX applications. This product meets all the relevant safety requirements of fire class E; as a result it can be used in areas where fire safety is relevant. Snap-in mounting is intuitive – without the need for tools, without tightening any screws.

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

*WINSTA*® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® KNX pluggable installation connectors with protection against mismating from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- for emergency power supply
- flexible installation to save space
- quick replacement of defective units during ongoing operation

## Data

### Electrical data

Note on contact resistance

Approx. 3 mΩ contact resistance

### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV

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Rated current	3 A
Legend (ratings)	(III / 3) $\Delta$ Overvoltage category III / Pollution degree 3

## Connection data

Total number of connection points	2
Total number of potentials	2

## Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Conductor diameter	0.8 mm
Strip length	9 mm / 0.35 inch
Number of poles	2
Conductor entry direction to mating direction	0 °

## Physical data

Width	19.6 mm / 0.772 inch
Height	19.6 mm / 0.772 inch
Depth	29.5 mm / 1.161 inch

## Mechanical data

technology	KNX
Application	KNX
Coding	E
Variable coding	No
Marking	1+ 2-
Potential Marking	1+ 2-
Mating force of a plug-in connection	approx. 10 ... 15 N
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 15 ... 20 N
Number of mating cycles	200
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in flange
Protection type	IP20; Only when mated and secured with a strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.)

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## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
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 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 data can be found here
Color	green
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy; surface-treated
Weight	3.6 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)
PU (SPU)	50 Stück
Packaging type	box
Country of origin VKOrg Germany	CH
GTIN	4045454420130

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Customs tariff number VKOrg Germany

8536694040

## Other

technology

KNX

## Counterpart



Item no.894-8992/033-106

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green

[www.wago.com/894-8992/033-106](http://www.wago.com/894-8992/033-106)



Item no.894-8992/233-106

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green

[www.wago.com/894-8992/233-106](http://www.wago.com/894-8992/233-106)



Item no.893-1012

Plug; with strain relief housing; 2-pole; green

[www.wago.com/893-1012](http://www.wago.com/893-1012)

## Downloads

### Documentation

#### Bid Text

893-2002 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
893-2002 doc - Datei	2015 Jan 8	doc 23.0 kB	Download

## CAD files

### CAE data

EPLAN Data Portal 893-2002	URL	Download
WSCAD Universe 893-2002	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 893-2002 Snap-in socket; without locking lever; 2-pole; Cod. E; green	URL	Download
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## Installation Notes



1. Strip length, outer insulation = 23 mm

2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

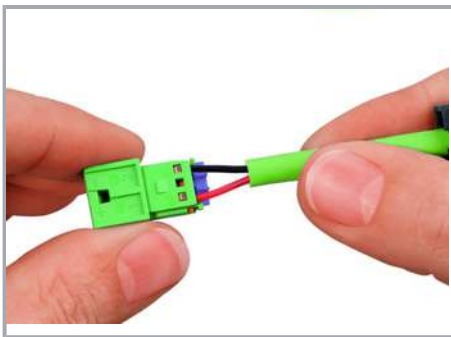


Push conductors until they hit the backstop.



To disconnect, open clamping unit using the actuator and pull out the conductor.

## Conductor removal



Push conductors until they hit the backstop.

## Product family

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**WINSTA® KNX**

[Show all products from the family](#)

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