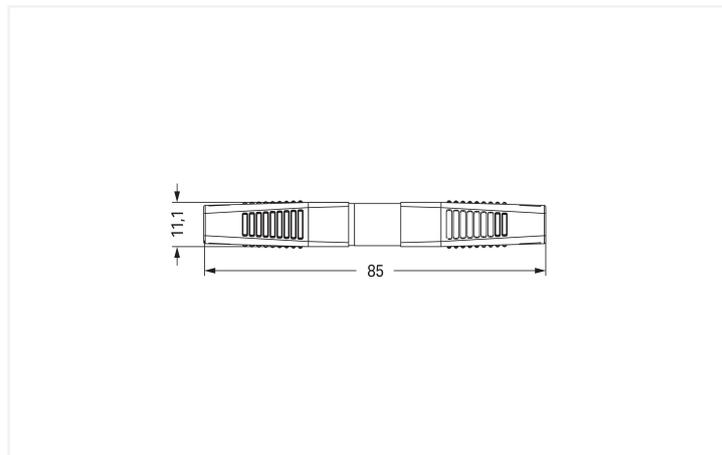


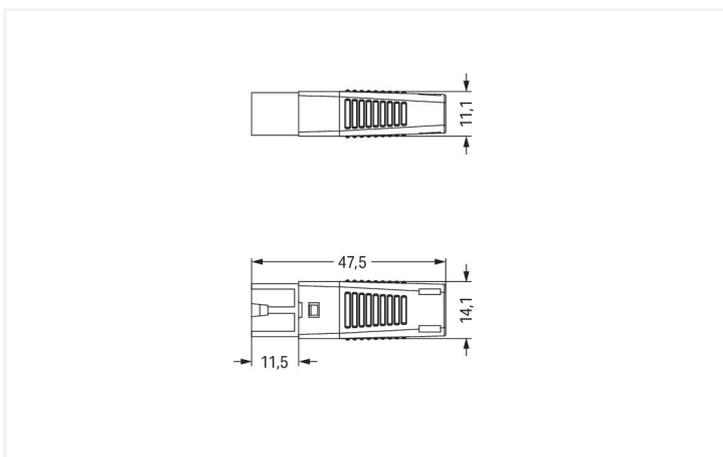
**Data Sheet | Item Number: 893-1012**  
Plug; with strain relief housing; 2-pole; Cod. E; green

<https://www.wago.com/893-1012>



Color: ■ green

Dimensions in mm  
Overall length when mated



Dimensions in mm

**Male connector/plug WINSTA® KNX rated current 3 A**

For power and signal transmission: The WINSTA® KNX male connector/plug E coding. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to many different requirements in seconds. 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.)). That results in the fact that users' fingers will never come into contact with electrified elements. The KNX protocol allows different equipment within one building system to be linked. The standardised WINSTA® KNX pluggable installation connectors in green are employed for signal transfer in KNX networks.

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

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 – with protection against mismatching from WAGO makes the installation of electrical components substantially easier.

- 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

## Notes

General safety information

**NOTICE: Observe installation and safety instructions!**

- Nur von Elektrofachkraft oder einer für die Tätigkeit elektrisch unterwiesenen Person (EUP nach DIN VDE 0105-100) anzuwenden!
- Nicht unter Spannung/Last installieren!
- Nur für bestimmungsgemäßen Gebrauch einsetzen!
- Nationale Vorschriften/Normen/Richtlinien beachten!
- Technische Daten der Produkte beachten!
- Auf die richtige Polbelegung achten!
- Keine beschädigten/verschmutzten Komponenten verwenden!
- Leiterarten, -querschnitte, Abisolierlängen und Leitungsdurchmesser beachten!
- Leiter bis zum Anschlag einführen!
- Nur mit Verriegelungsklinke und Zugentlastung verwenden!
- Originalzubehör verwenden!

**To be sold only with installation instructions!**

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	50 V	-	-
Rated impulse withstand voltage	0.8 kV	-	-
Rated current	3 A	-	-

## General information

Note on contact resistance      Approx. 3 mΩ contact resistance

## Connection Data

Clamping units	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 inches
Pole number	2
Connectable sheathed cable diameter	5 ... 7 mm
Conductor entry direction to mating direction	0°

## Physical data

Width	14.1 mm / 0.555 inches
Height	11.1 mm / 0.437 inches
Depth	47.5 mm / 1.87 inches

## Mechanical data

Technology	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, without resistive load
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.)

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
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	Can be retrofitted
Locking of plug-in connection	Locking lever
Strain relief	Strain relief housing

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	green
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy; surface-treated
Contact Plating	Tin
Fire load	0.171 MJ
Connector color	green
Strain relief color	black
Weight	5.7 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 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454267445
Customs tariff number	85366990990

### Product Classification

UNSPSC	39121402
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 9.0	EC002560
ETIM 10.0	EC002560
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Downloads**

**Environmental Product Compliance**

Compliance Search	
Environmental Product Compliance 893-1012	<a href="#">↓</a>

**Documentation**

Bid Text			
893-1012	19.02.2019	xml 2.89 KB	<a href="#">↓</a>
893-1012	08.01.2015	doc 23.00 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAE data	
WSCAD Universe 893-1012	<a href="#">↓</a>

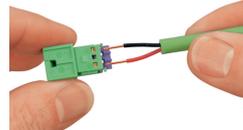
**Installation Notes**



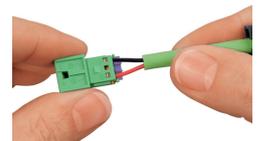
- Strip length, outer insulation = 23 mm
- Strip length = 9 mm



Prior to termination, pull the strain relief housing over the cable.



Insert stripped conductors directly into the conductor entries.



Push conductors until they hit the back-stop.



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



Snap wired connector into the strain relief housing.

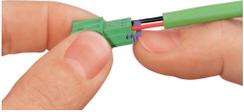


Press strain relief firmly on the cable.



Pre-assembled KNX connector

## Conductor removal



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

## Installation



Prior to termination, pull the strain relief housing over the cable.



Snap wired connector into the strain relief housing.



Press strain relief firmly on the cable.



Pre-assembled KNX connector