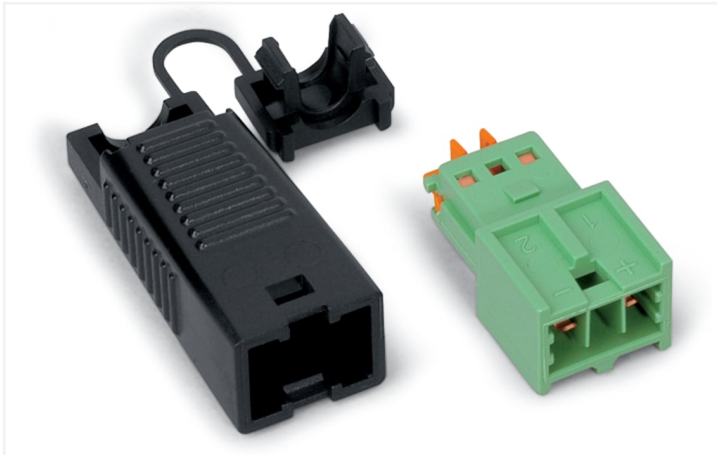


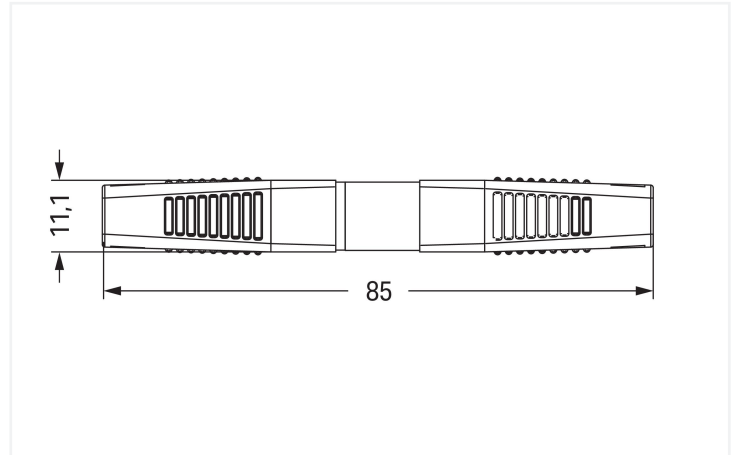
Data Sheet | Item Number: 893-1012

Plug; with strain relief housing; 2-pole; Cod. E; green

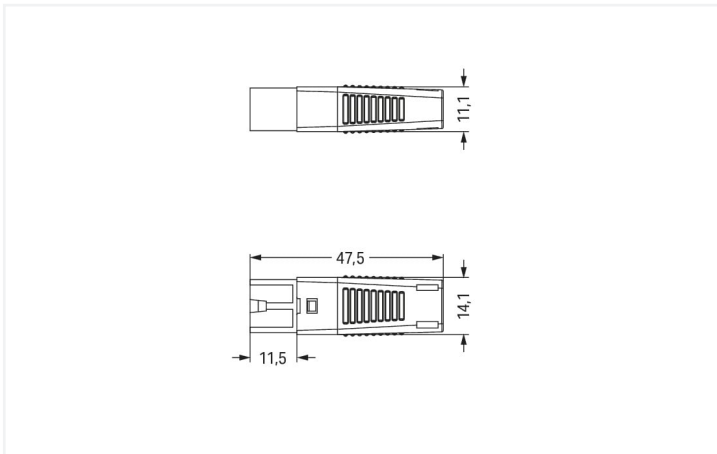
<https://www.wago.com/893-1012>



Color: ■ green



Dimensions in mm
Overall length when mated



Dimensions in mm

Male connector/plug WINSTA® KNX with strain relief

The WINSTA® KNX male connector/plug E coding is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector offers protection against contact with live components 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.)). The standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. A WINSTA® KNX pluggable installation connector with E coding, like all coded pluggable installation connectors, allows blind mating. Components with E coding are primarily used for supplying auxiliary power, for example to I/O devices.

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. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology tool! Plan your installation with with marking from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- with E coding for AC and DC applications
- ready to install and use immediately
- quick replacement of defective units during ongoing operation

Electrical data

Ratings per IEC/EN 60664-1				General information	
Overvoltage category	III	III	II	Note on contact resistance	Approx. 3 mΩ contact resistance
Pollution degree	3	2	2		
Nominal voltage	50 V	-	-		
Rated surge voltage	0.8 kV	-	-		
Rated current	3 A	-	-		

Connection data

Clamping units	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 °
Total number of potentials	2	

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)		Information on material specifications can be found here
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)
eCl@ss 10.0		27-44-06-05
eCl@ss 9.0		27-44-06-05
ETIM 9.0		EC002560
ETIM 8.0		EC002560
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		CH
GTIN		4045454267445
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1012

↓

Documentation

Bid Text			
893-1012	19.02.2019	xml 2.89 KB	↓
893-1012	08.01.2015	doc 23.00 KB	↓

CAD/CAE-Data

CAE data	
WSCAD Universe 893-1012	↓

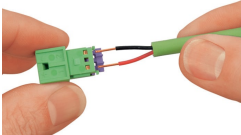
Installation Notes



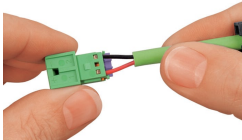
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



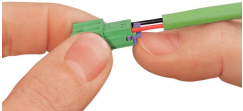
Prior to termination, pull the strain relief housing over the cable.



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.

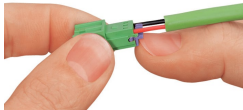


Press strain relief firmly on the cable.



Pre-assembled KNX connector

Conductor removal

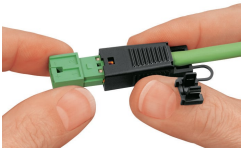


To disconnect, open clamping unit using the actuator and pull out the conductor.

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

