

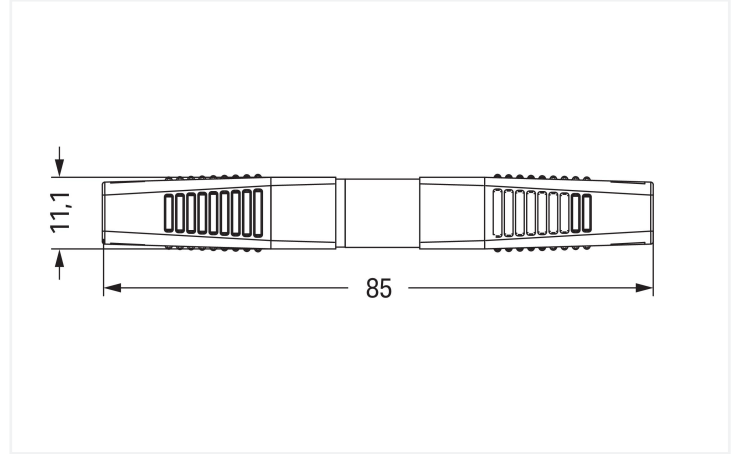
Data Sheet | Item Number: 893-1002

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

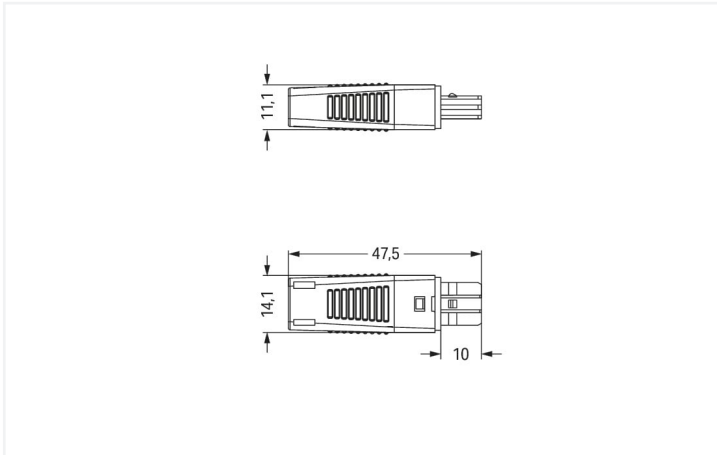
<https://www.wago.com/893-1002>



Color: ■ green



Dimensions in mm
Overall length when mated



Dimensions in mm

Female connector/socket WINSTA® KNX with protection type IP20

The WINSTA® KNX female connector/socket 2-pole 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 many different requirements in no time flat. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects 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 KNX standard is the ultimate benchmark in automation of buildings. It guarantees error-free, manufacturer-independent networking of state-of-the-art building systems. A WINSTA® KNX pluggable installation connector with E coding, like all coded pluggable installation connectors, allows blind mating. E coding is often used for an auxiliary power supply, for example in 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 saves time, lowers costs, and reduces the need for servicing. Now you can also lower installation expenses without compromising quality and safety: with marking reduces the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- with E coding for AC and DC applications
- custom-engineered solutions
- convenient installation and commissioning



Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		50 V	-	-
Rated surge 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)	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	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		0.15 MJ
Connector color		green
Strain relief color		black
Weight		5 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		4045454267469
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1002

↓

Documentation

Bid Text			
893-1002	19.02.2019	xml 2.78 KB	
893-1002	08.01.2015	doc 22.50 KB	

CAD/CAE-Data

CAE data	
WSCAD Universe 893-1002	

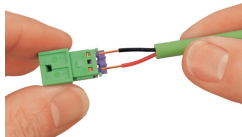
Installation Notes



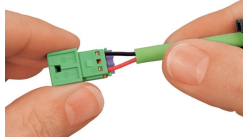
- 1. Strip length, outer insulation = 23 mm
- 2. Strip length = 9 mm



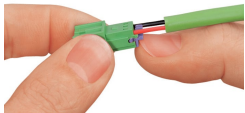
Prior to termination, pull the strain relief housing over the cable.



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.

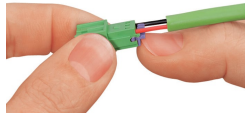


Press strain relief firmly on the cable.



Pre-assembled KNX connector

Conductor removal

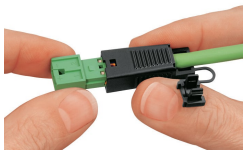


To disconnect, open clamping unit using the actuator and pull out the conductor.

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

