

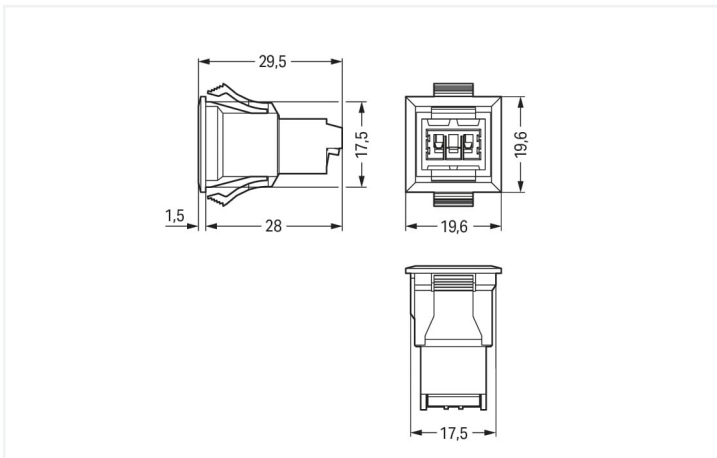
Data Sheet | Item Number: 893-2012

Snap-in plug; 2-pole; Cod. E; green

<https://www.wago.com/893-2012>



Color: ■ green



Dimensions in mm

Male connector/plug WINSTA® KNX E coding

The WINSTA® KNX male connector/plug 2-pole is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. The pluggable installation connectors with spring pressure connection technology function without screw connections. They allow flexible, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free 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 live contact elements. The KNX standard is the ultimate benchmark in building automation. It ensures error-free, manufacturer-independent networking of state-of-the-art building systems. WINSTA® KNX pluggable installation connectors with E coding are primarily used in KNX applications.

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 with protection against mismatching from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- for emergency power supply
- exact dimensions
- convenient installation and commissioning



Notes	
Note	The snap-in connectors must be relieved of tensile and transverse forces. A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts. The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).

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
Conductor entry direction to mating direction	0 °

Physical data	
Width	19.6 mm / 0.772 inches
Height	19.6 mm / 0.772 inches
Depth	29.5 mm / 1.161 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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inches
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.)



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	No
Locking of plug-in connection	Locking lever

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 MJ
Weight	4 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	27-44-06-02
eCl@ss 9.0	27-44-06-02
ETIM 9.0	EC002566
ETIM 8.0	EC002566
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454420154
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 893-2012			

Documentation

Bid Text			
893-2012	19.02.2019	xml 2.78 KB	
893-2012	08.01.2015	doc 22.50 KB	

CAD/CAE-Data

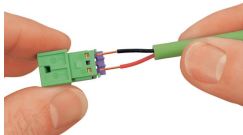
CAD data	
2D/3D Models 893-2012	

CAE data	
EPLAN Data Portal 893-2012	
WSCAD Universe 893-2012	

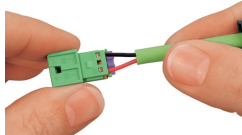
Installation Notes



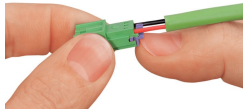
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

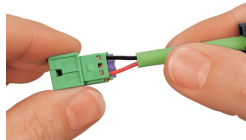


Push conductors until they hit the back-stop.



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

Conductor removal



Push conductors until they hit the back-stop.