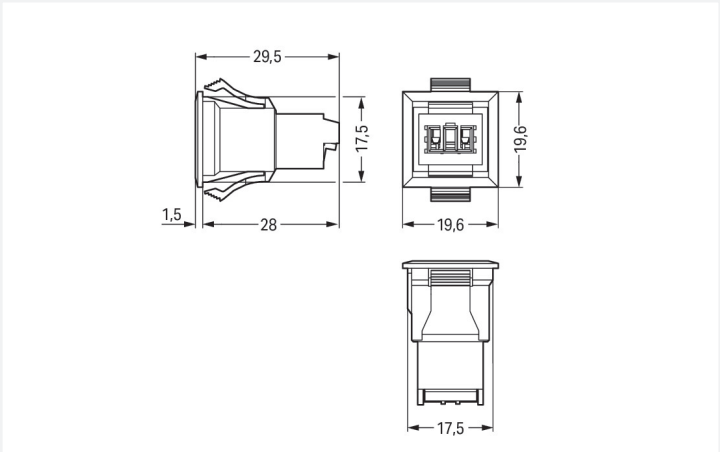
Data Sheet | Item Number: 893-2002

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

https://www.wago.com/893-2002

Color: green



Dimensions in mm

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

For signal and power transmission: The *WINSTA*® KNX female connector/socket with protection against mismating. WAGO pluggable installation connectors are useful when specifications repeat or are distributed on a specific grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. 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 standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. *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!

WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Now you can also lower installation costs without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- for emergency power supply
- ready for immediate use
- fast, secure installation

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.)

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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

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	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)
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	4045454420130
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

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Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 893-2002

Documentation

Bid Text			
893-2002	19.02.2019	xml 2.78 KB	
893-2002	08.01.2015	doc 22.50 KB	

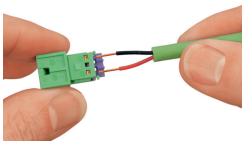
CAD/CAE-Data

CAE data
EPLAN Data Portal 893-2002
WSCAD Universe 893-2002

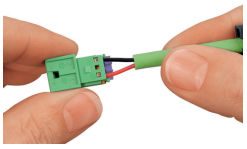
Installation Notes

1. Strip length, outer insulation = 23 mm

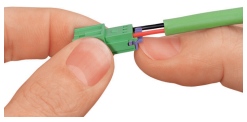
2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

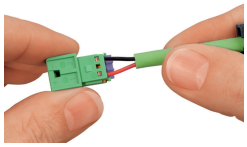


Push conductors until they hit the back-stop.



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

Conductor removal



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