

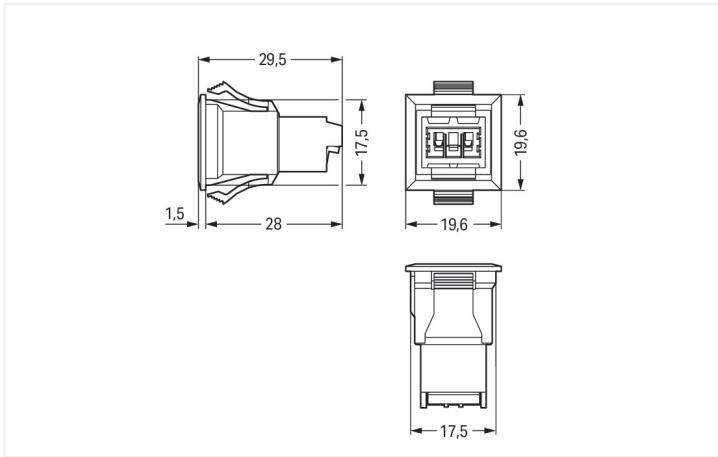
Data Sheet | Item Number: 893-2012

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

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



Color: ■ green



Dimensions in mm

Male connector/plug WINSTA® KNX 2-pole

The WINSTA® KNX male connector/plug with protection against mismatching supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow fast, efficient, error-free installation in a large number of applications. The mechanical coding and color 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 harmonised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. The standardised WINSTA® KNX pluggable installation connectors in green are employed for transfer of signals in KNX networks.

WINSTA® KNX solutions for your electrical installation – protected against mismatching and maintenance-free

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

- saves time, since no wiring is required at the construction site
- with E coding for supplying auxiliary power to I/O devices
- ready for immediate use
- convenient installation and commissioning



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!

Note

To be sold only with installation instructions!

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

Connection Data			Connection 1	
Clamping units	2		Connection technology	PUSH WIRE®
Total number of potentials	2		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.)
Suitable for through-panel applications	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> ® 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)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454420154
Customs tariff number	85366990990



Product Classification	
UNSPSC	39121402
eCl@ss 10.0	27-44-06-02
eCl@ss 9.0	27-44-06-02
ETIM 9.0	EC002566
ETIM 10.0	EC002566
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-2012

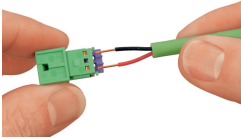
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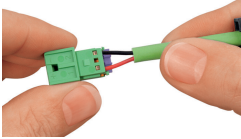
Documentation				
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893-2012	19.02.2019	xml	2.78 KB	↓
893-2012	08.01.2015	doc	22.50 KB	↓

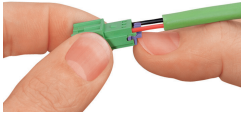
CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 893-2012	EPLAN Data Portal 893-2012
↓	↓
	WSCAD Universe 893-2012
	↓

Installation Notes









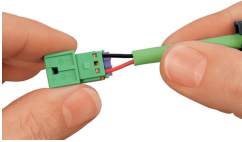
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm

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.