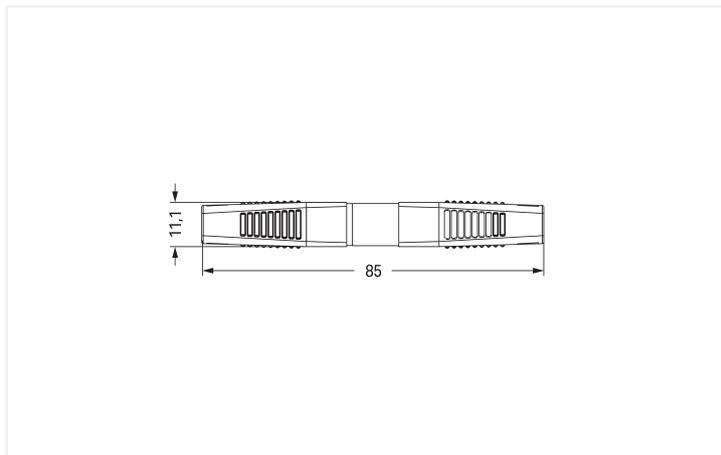


## Data Sheet | Item Number: 893-1022

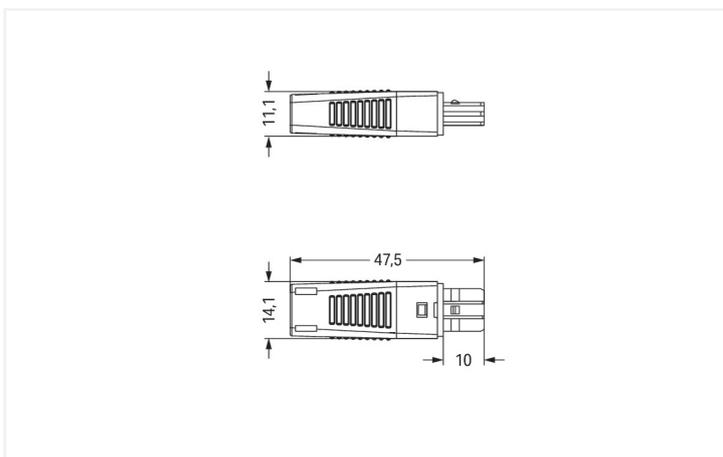
Socket; with strain relief housing; 2-pole; Cod. F; light gray

<https://www.wago.com/893-1022>



Color: ■ light gray

Dimensions in mm  
Overall length when mated



Dimensions in mm

### Female connector/socket WINSTA® KNX 2-pole

The WINSTA® KNX female connector/socket F coding provides the foundation for assembly of fine-stranded and solid conductors. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow fast, efficient, error-free installation in a large number of applications. 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 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.)). This means that users' fingers will never come into contact with live elements. The KNX standard is the ultimate benchmark in building automation. It ensures error-free, manufacturer-independent networking of advanced building systems. The grey WINSTA® KNX pluggable installation connectors in F coding support applications in the low-voltage domain.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- for high-power connections for supplying power
- flexible installation to save space
- fast, secure installation

## 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!

**To be sold only with installation instructions!**

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	50 V	-	-
Rated impulse withstand 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	F
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)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
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	light gray
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)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454267476
Customs tariff number	85366990990

### Product Classification

UNSPSC	39121402
eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 9.0	EC002560
ETIM 10.0	EC002560
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 893-1022	↓

### Documentation

Bid Text				
893-1022	19.02.2019	xml	2.89 KB	↓
893-1022	08.01.2015	doc	23.00 KB	↓

### CAD/CAE-Data

CAE data	
WSCAD Universe 893-1022	↓

### 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 backstop.

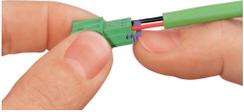
To disconnect, open clamping unit using the actuator and pull out the conductor.

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