

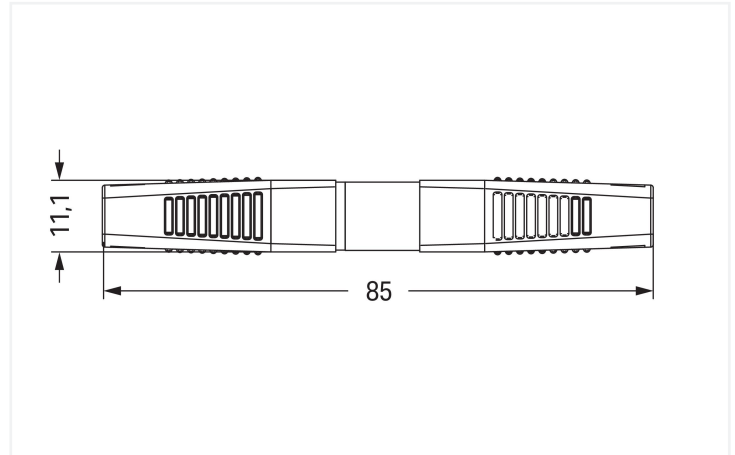
## Data Sheet | Item Number: 893-1032

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

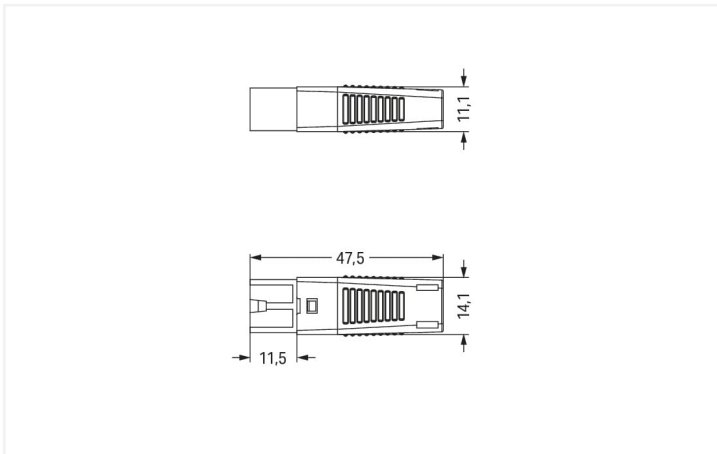
<https://www.wago.com/893-1032>



Color: ■ light gray



Dimensions in mm  
Overall length when mated



Dimensions in mm

### Male connector/plug WINSTA® KNX 2-pole

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® KNX male connector/plug rated current 3 A. The pluggable installation connectors with spring pressure connection technology work entirely without screw connections. They allow flexible, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is provided with mechanical 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. WINSTA® KNX pluggable installation connectors with F coding are used in low-voltage applications.

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 allows fast, secure and, above all, error-free installation of components and cables. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- with F coding for connections with protection against mismatching for supplying power
- flexible installation to save space
- quick replacement of defective units during ongoing operation



| 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                                  | 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) | Male connector/plug                                                                                                                                                                                               |
| Connector (connection type)        | for conductor                                                                                                                                                                                                     |
| Mismating protection               | Yes                                                                                                                                                                                                               |
| Note on mismating protection       | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>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                          | 0.171 MJ                          |                                                                          |
| Connector color                    | light gray                        |                                                                          |
| Strain relief color                | black                             |                                                                          |
| Weight                             | 5.7 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                  | 4045454267452 |  |
| Customs tariff number | 85366990990   |  |

| Environmental Product Compliance |                        |  |
|----------------------------------|------------------------|--|
| RoHS Compliance Status           | Compliant,No Exemption |  |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1032

↓

Documentation

| Bid Text |            |                 |   |
|----------|------------|-----------------|---|
| 893-1032 | 19.02.2019 | xml<br>2.89 KB  | ↓ |
| 893-1032 | 08.01.2015 | doc<br>23.00 KB | ↓ |

CAD/CAE-Data

| CAE data                   |   |
|----------------------------|---|
| WSCAD Universe<br>893-1032 | ↓ |

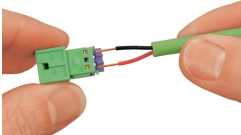
Installation Notes



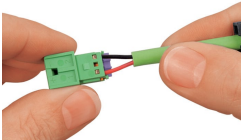
1. Strip length, outer insulation = 23 mm  
2. Strip length = 9 mm



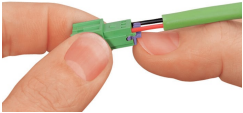
Prior to termination, pull the strain relief housing over the cable.



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.

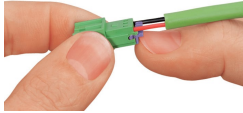


Press strain relief firmly on the cable.



Pre-assembled KNX connector

Conductor removal

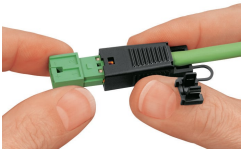


To disconnect, open clamping unit using the actuator and pull out the conductor.

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

