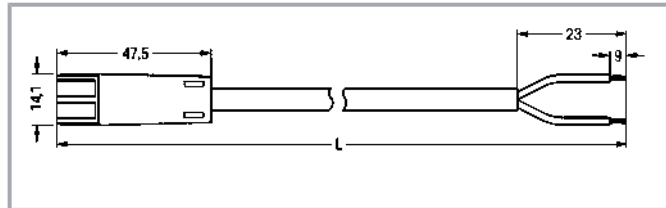


## Data sheet | Item number: 894-8992/223-107

pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; 1 m; gray

[www.wago.com/894-8992\\_223-107](http://www.wago.com/894-8992_223-107)



### Item description

#### Cable assembly **WINSTA®** KNX rated current 3 A

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** KNX cable assembly rated current 3 A. WAGO pluggable installation connectors are used when criteria repeat or are planned on a defined pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, secure 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 elements. 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 F coding are employed in the low-voltage range. This product meets all the safety requirements of fire class D; as a result it can be used in domains where fire safety is relevant. Eliminating halogens as an additive in the manufacture of this cable assembly substantially increases fire safety and reduces environmental contamination.

#### Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable is pre-assembled with a plug and a free end. The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, more reliable, and error-free. Use of this pre-assembled system reduces assembly times and installation errors at the construction site. Now you can also lower installation costs without compromising safety and quality: The **WINSTA®** KNX pluggable installation connector with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- with F coding for connections with protection against mismatching for supplying power
- custom-engineered solutions
- fast, secure installation

Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
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Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Data Notes

Note	Cables with a different fire class can be found in the eShop.
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## Electrical data

Note on contact resistance	Approx. 3 mΩ contact resistance
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## IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

## Connection data

Total number of potentials	2
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Conductor diameter	0.8 mm
Strip length	9 mm / 0.35 inch
Number of poles	2
Strip length (outer insulation)	23 mm
Connection type	Plug - Free end

## Physical data

Total length	1 m
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## Mechanical data

technology	KNX
Application	KNX
Coding	F
Variable coding	No

Subject to changes. Please also observe the further product documentation!



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	when locked: > 80N
Unmating force of a plug-in connection	Unlocked: approx. 15 ... 20 N
Number of mating cycles	200
Connection type	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	J-Y(ST)Y...LG 1x2x0.8
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

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 of plug-in connection	locking lever

### Material data

Note (material data)	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	D <sub>ca</sub>
Contact material	Copper alloy; surface-treated
Fire load	1.217 MJ
Connector color	light gray
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	40.4 g
Copper weight of the pipe	0.01 kg/m

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## Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

## Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	DE
GTIN	4050821281672
Customs tariff number VKOrg Germany	85444290900

## Other

technology	KNX
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## Counterpart



**Item no.893-2022**  
Snap-in socket; without locking lever; 2-pole; Cod. F; light gray

[www.wago.com/893-2022](http://www.wago.com/893-2022)



**Item no.893-1022**  
Socket; with strain relief housing; 2-pole; Cod. F; light gray

[www.wago.com/893-1022](http://www.wago.com/893-1022)



**Item no.893-1656**  
T-distribution connector; 2-pole; 1 input; 2 outputs; light gray

[www.wago.com/893-1656](http://www.wago.com/893-1656)

## Downloads

### Documentation

#### Bid Text

894-8992/223-107 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
894-8992/223-107 doc - Datei	2015 Mar 16	doc 26.1 kB	Download

## Environmental Product Compliance

### Compliance Search

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Environmental Product Compliance 894-8992/223-107

URL

Download

pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; 1 m; gray

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## Installation Notes

## Product family

WINSTA® KNX

[Show all products from the family](#)

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