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## Item description

### Female connector/socket WINSTA® KNX F coding

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® KNX female connector/socket with protection against mismating. Our pluggable installation connectors with spring pressure connection technology function without screw connections. They allow resource-efficient, error-free installation in numerous possible uses. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector offers protection against contact with live components 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 employed in the low-voltage range. According to the European CPR, the fire class of the cables used for construction is decisive for the safety of buildings as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. This product uses snap-in installation. Thanks to the locking lever, this process is intuitive and secure, requiring no screw connections.

### Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces assembly times and installation errors at the construction site. Choose durability and quality – the WINSTA® KNX pluggable installation connector with fire class E from WAGO makes the installation of electrical components significantly easier.

- saves time, since no wiring is required at the construction site
- with F coding for the use in supplying power
- custom-engineered solutions
- convenient installation and commissioning

## Data

### Electrical data

Note on contact resistance

Approx. 3 mΩ contact resistance

## IEC Approvals

Ratings per

IEC/EN 60664-1

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Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) $\triangle$ Overvoltage category III / Pollution degree 3

### Connection data

Total number of connection points	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 inch
Number of poles	2
Conductor entry direction to mating direction	0°

### Physical data

Width	19.6 mm / 0.772 inch
Height	19.6 mm / 0.772 inch
Depth	29.5 mm / 1.161 inch

### Mechanical data

technology	KNX
Application	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
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in flange
Protection type	IP20; Only when mated and secured with a strain relief housing

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(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	No
Locking of plug-in connection	locking lever
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).

## Material data

Note (material data)	Information on material data can be found here
Color	light gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy; surface-treated
Weight	4.5 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 Stück

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Packaging type	box
Country of origin VKOrg Germany	CH
GTIN	4045454420161
Customs tariff number VKOrg Germany	8536694040

## Other

technology	KNX
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## Counterpart

	<b>Item no.894-8992/023-107</b> pre-assembled interconnecting cable; Dca; Socket/plug; 2-pole; Cod. F; 1 m; gray	<a href="http://www.wago.com/894-8992/023-107">www.wago.com/894-8992/023-107</a>
	<b>Item no.894-8992/223-107</b> pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; 1 m; gray	<a href="http://www.wago.com/894-8992/223-107">www.wago.com/894-8992/223-107</a>
	<b>Item no.893-1032</b> Plug; with strain relief housing; 2-pole; light gray	<a href="http://www.wago.com/893-1032">www.wago.com/893-1032</a>

## Downloads

### Documentation

#### Bid Text

893-2022 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
893-2022 doc - Datei	2015 Jan 8	doc 23.0 kB	Download

## CAD files

### CAE data

EPLAN Data Portal 893-2022	URL	Download
WSCAD Universe 893-2022	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 893-2022	URL	Download
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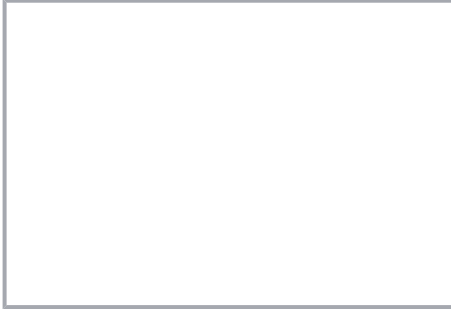
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Snap-in socket; without locking lever; 2-pole; Cod. F; light gray

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## Installation Notes

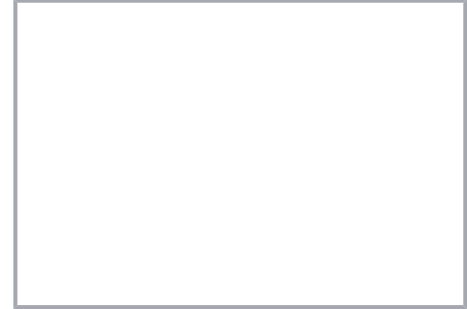


1. Strip length, outer insulation = 23 mm

2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

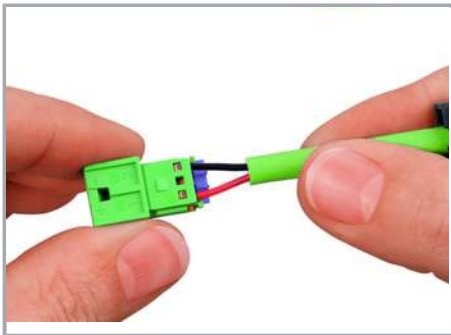


Push conductors until they hit the backstop.



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

## Conductor removal



Push conductors until they hit the backstop.

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## Product family

WINSTA® KNX

[Show all products from the family](#)

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