

Plate thickness: 0.5 ... 2 mm  
Cutout tolerance: + 0.1 mm

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



## Item description

### Male connector/plug *WINSTA*® KNX rated current 3 A

The *WINSTA*® KNX male connector/plug F coding is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors are used when requirements repeat or are planned on a specified grid, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. 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 standardised KNX interface represents a manufacturer-independent communication protocol for intelligently networking state-of-the-art home and building system technologies. The grey *WINSTA*® KNX pluggable installation connectors in F coding support solutions in the low-voltage range. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. Snap-in installation is intuitive – no tools necessary, without tightening any screws.

### Lower costs through fast commissioning and elimination of service expenses – solutions from *WINSTA*® KNX

*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. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® KNX pluggable installation connectors with protection type IP20 from WAGO.

- saves time, since no wiring is required at the construction site
- for high-power connections for supplying power
- flexible installation to save space
- convenient installation and commissioning

## Data

### Electrical data

Note on contact resistance

Approx. 3 mΩ contact resistance

### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	50 V
Rated impulse voltage (III/3)	0.8 kV

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WAGO Corporation  
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Rated current	3 A
Legend (ratings)	(III / 3) $\Delta$ 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 (These compact connectors are not designed for use in open, easily accessible areas.)

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## 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: 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	10 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
Packaging type	box
Country of origin VKOrg Germany	CH
GTIN	4045454420178

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Customs tariff number VKOrg Germany

8536694040

## Other

technology

KNX

## Counterpart



Item no.894-8992/023-107

pre-assembled interconnecting cable; Dca; Socket/plug; 2-pole; Cod. F; 1 m; gray

[www.wago.com/894-8992/023-107](http://www.wago.com/894-8992/023-107)

Item no.894-8992/123-107

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

[www.wago.com/894-8992/123-107](http://www.wago.com/894-8992/123-107)

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)

## Downloads

### Documentation

#### Bid Text

893-2032	2019 Feb 19	xml	Download
X81 - Datei		2.8 kB	
893-2032	2015 Jan 8	doc	Download
doc - Datei		23.0 kB	

## CAD files

### CAE data

EPLAN Data Portal 893-2032	URL	Download
WSCAD Universe 893-2032	URL	Download

## Environmental Product Compliance

### Compliance Search

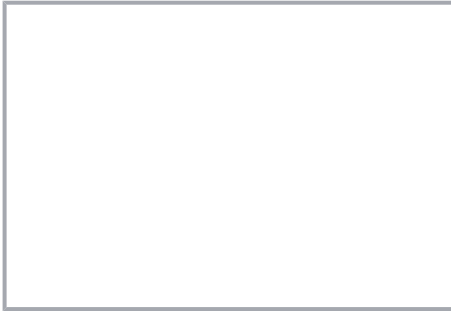
Environmental Product Compliance 893-2032	URL	Download
Snap-in plug; 2-pole; Cod. F; light gray		

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## Installation Notes

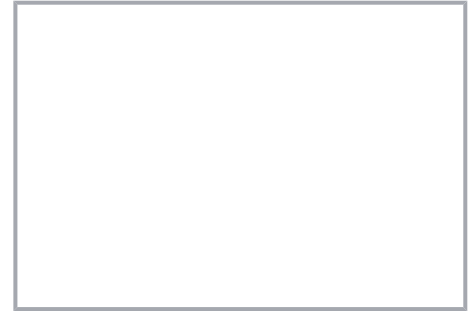


1. Strip length, outer insulation = 23 mm

2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

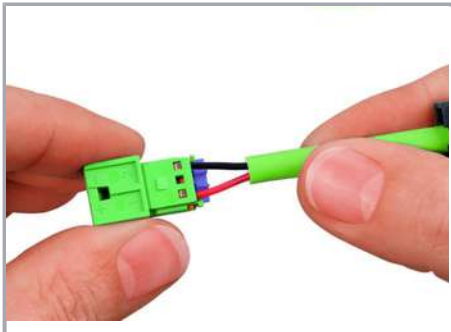


Push conductors until they hit the backstop.



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

## Conductor removal



Push conductors until they hit the backstop.

## Product family

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**WINSTA® KNX**

[Show all products from the family](#)

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