

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 2-pole

The *WINSTA*® KNX male connector/plug E coding is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow fast, efficient, error-free installation in numerous 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 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 contact elements. The KNX standard is the ultimate benchmark in automation of buildings. It guarantees error-free, manufacturer-independent networking of advanced building systems. *WINSTA*® KNX pluggable installation connectors with E coding are often used in KNX applications. According to the European CPR, the fire class of the cables used for construction is essential for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable. In the snap-in versions, the locking levers are already pre-installed at the factory. Therefore the snap-in connection is child's play – easy to establish and securely locked.

### *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. Choose quality and durability – the *WINSTA*® KNX pluggable installation connector with protection type IP20 from WAGO makes the electrical installation of electrical components noticeably easier.

- saves time, since no wiring is required at the construction site
- for emergency power supply
- custom-engineered solutions
- quick replacement of defective units during ongoing operation

## 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

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
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.



Rated impulse voltage (III/3)	0.8 kV
Rated current	3 A
Legend (ratings)	(III / 3) $\triangleq$ 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	E
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.)

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

WAGO Corporation  
 Germantown, WI 53022  
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 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.



## 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	green
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 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

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

WAGO Corporation  
 Germantown, WI 53022  
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 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.






GTIN	4045454420154
Customs tariff number VKOrg Germany	8536694040

## Other

technology	KNX
------------	-----

## Counterpart

	<b>Item no.894-8992/033-106</b> pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green	<a href="http://www.wago.com/894-8992/033-106">www.wago.com/894-8992/033-106</a>
	<b>Item no.894-8992/133-106</b> pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green	<a href="http://www.wago.com/894-8992/133-106">www.wago.com/894-8992/133-106</a>
	<b>Item no.893-1002</b> Socket; with strain relief housing; 2-pole; Cod. E; green	<a href="http://www.wago.com/893-1002">www.wago.com/893-1002</a>

## Downloads

### Documentation

#### Bid Text

893-2012 X81 - Datei	2019 Feb 19	xml 2.8 kB	Download
893-2012 doc - Datei	2015 Jan 8	doc 23.0 kB	Download

## CAD files

### CAE data

EPLAN Data Portal 893-2012	URL	Download
WSCAD Universe 893-2012	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 893-2012	URL	Download
---	-----	----------

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

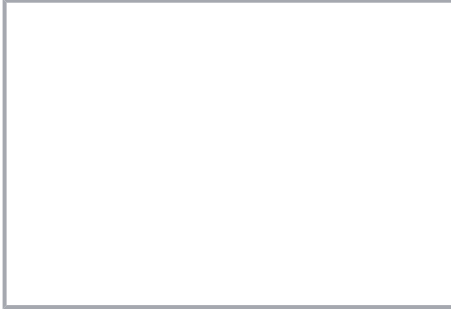
WAGO Corporation  
 Germantown, WI 53022  
 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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

Snap-in plug; 2-pole; Cod. E; green

---

## Installation Notes

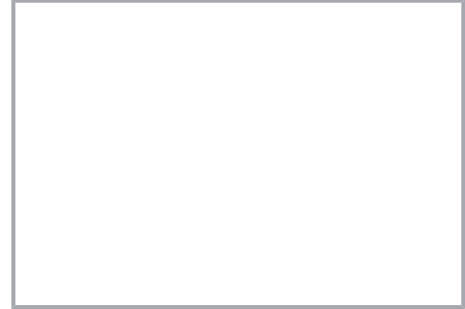


1. Strip length, outer insulation = 23 mm

2. Strip length = 9 mm



Insert stripped conductors directly into the conductor entries.

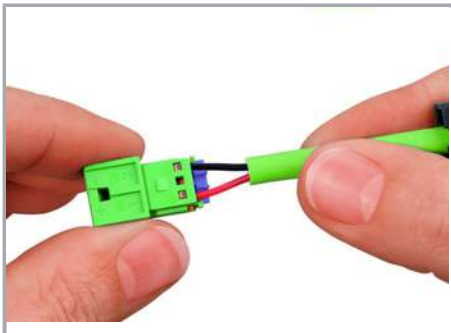


Push conductors until they hit the backstop.



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

## Conductor removal



Push conductors until they hit the backstop.

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



## Product family

WINSTA® KNX

[Show all products from the family](#)

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

---

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
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.