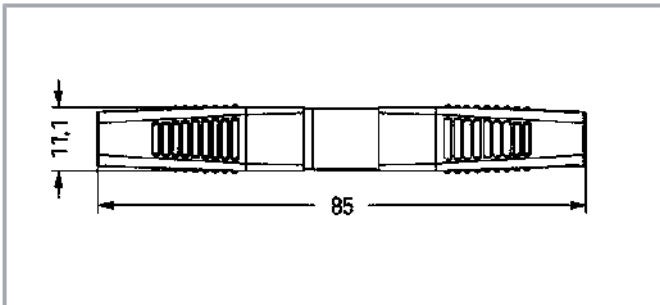
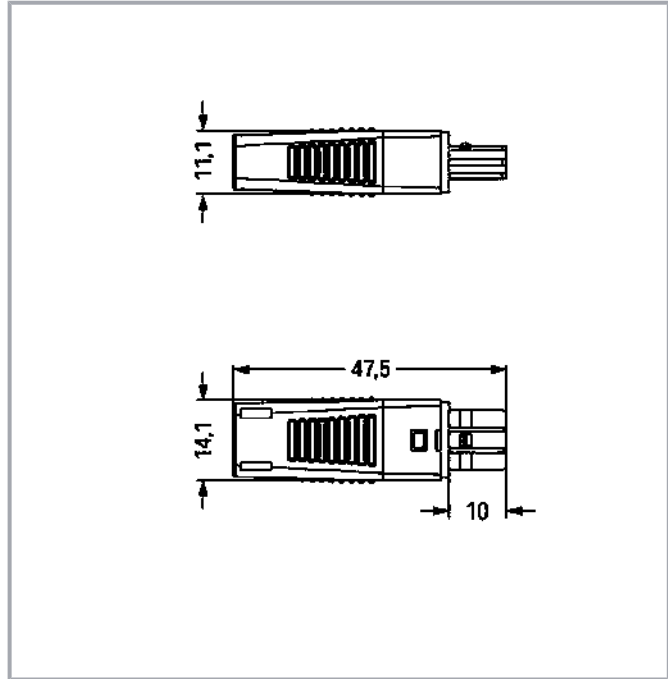


Data sheet | Item number: 893-1002

Socket; with strain relief housing; 2-pole; Cod. E; green

www.wago.com/893-1002



Item description

Female connector/socket *WINSTA*® KNX rated current 3 A

For power and signal transmission: The *WINSTA*® KNX female connector/socket rated current 3 A. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. 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

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
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designed for use in open, easily accessible areas.)). This means that users' fingers will never come into contact with energised contact elements. The KNX protocol allows different equipment within one building system to be linked together. *WINSTA*® KNX pluggable installation connectors with E coding are often used in KNX applications. This product meets all the mandatory fire protection requirements of fire class E; as a result it can be used in domains where fire safety is relevant.

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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Choose durability and quality – the *WINSTA*® KNX pluggable installation connector with marking from WAGO makes the installation of electrical components substantially easier.

- saves time, since no wiring is required at the construction site
- with E coding for AC and DC applications
- custom-engineered solutions
- rapid, structured electrical installation

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
Rated current	3 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Total number of connection points	2
Total number of potentials	2

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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
Connectable sheathed cable diameter	5 ... 7 mm
Conductor entry direction to mating direction	0 °

Physical data

Width	14.1 mm / 0.555 inch
Depth	47.5 mm / 1.87 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
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)	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

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	c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
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).
Strain relief	strain relief housing

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 _{ca}
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy; surface-treated
Fire load	0.15 MJ
Weight	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
Packaging type	box
Country of origin VKOrg Germany	CH
GTIN	4045454267469
Customs tariff number VKOrg Germany	8536694040

Other

technology	KNX
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Counterpart



Item no. 893-1012

Plug; with strain relief housing; 2-pole; green

www.wago.com/893-1012

Item no. 893-2012

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

www.wago.com/893-2012

Item no. 894-8992/233-106

pre-assembled connecting cable; Eca; Plug/open-ended; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green

www.wago.com/894-8992/233-106

Item no. 893-1606

T-distribution connector; 2-pole; Cod. E; 1 input; 2 outputs; green

www.wago.com/893-1606

Item no. 894-8992/033-106

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green

www.wago.com/894-8992/033-106

Downloads

Documentation

Bid Text

893-1002	2019 Feb 19	xml	Download
X81 - Datei		2.8 kB	
893-1002	2015 Jan 8	doc	Download
doc - Datei		23.0 kB	

CAD files

CAE data

WSCAD Universe 893-1002	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1002	URL	Download
Socket; with strain relief housing; 2-pole; Cod. E; green		

Installation Notes

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

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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 backstop.



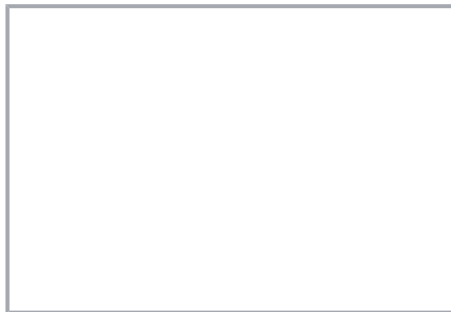
To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.



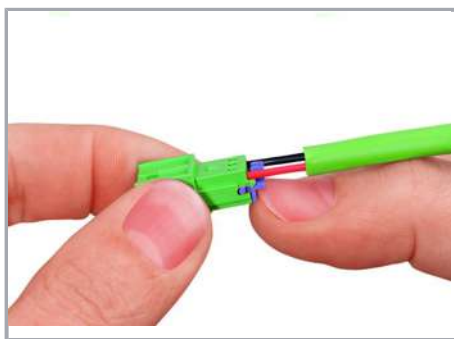
Press strain relief firmly on the cable.



Pre-assembled KNX connector

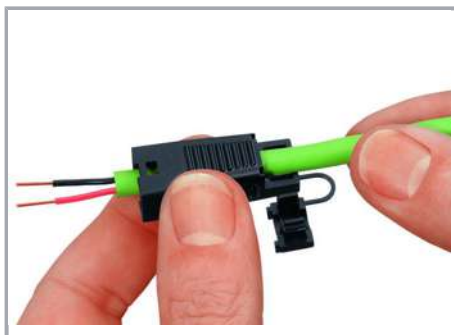
Conductor removal

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



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

Product family

WINSTA® KNX

[Show all products from the family](#)

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