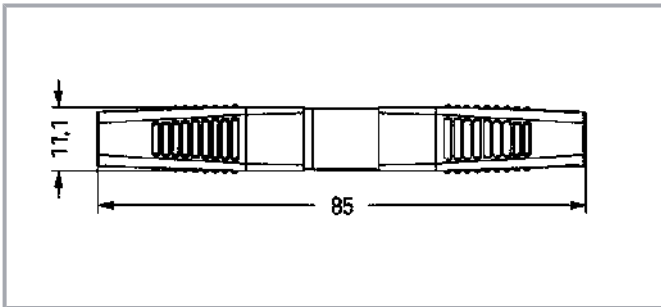
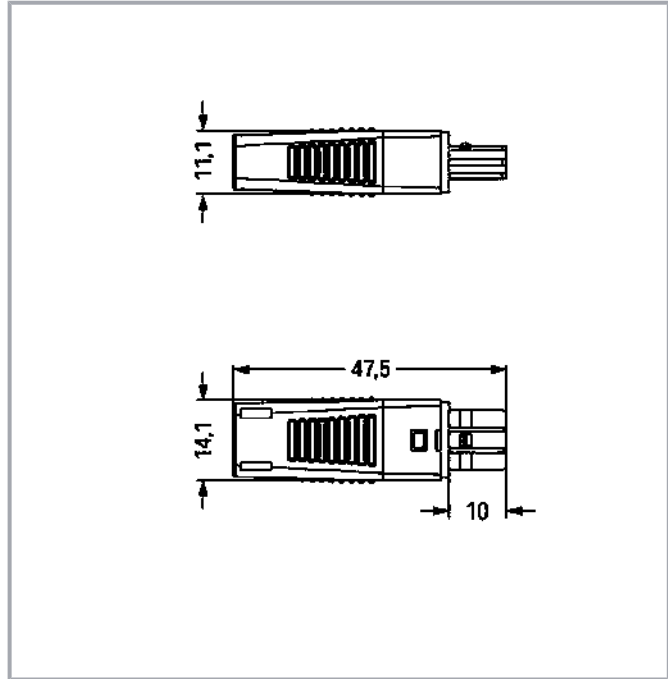


Data sheet | Item number: 893-1022

Socket; with strain relief housing; 2-pole; Cod. F; light gray

www.wago.com/893-1022



Item description

Female connector/socket *WINSTA*® KNX F coding

The *WINSTA*® KNX female connector/socket F coding is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Our pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow fast, efficient, error-free installation in a large number of possible uses. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type

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 | Web: www.wago.us

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



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 KNX protocol allows different equipment within one building system to be linked together. The grey *WINSTA*® KNX pluggable installation connectors in F coding support applications in the low-voltage domain. According to the European CPR, the fire class of the cables used in construction is critical for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable.

WINSTA® KNX solutions for your electrical installation – protected against mismating 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. Now you can also cut installation costs without compromising safety and quality: The *WINSTA*® KNX pluggable installation connector with marking eliminates the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- 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
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

Connection 1

Connection technology	PUSH WIRE®
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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	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
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 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
Locking of plug-in connection	locking lever

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



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	light gray
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	4045454267476
Customs tariff number VKOrg Germany	8536694040

Other

technology	KNX
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Counterpart



Item no.893-1032

Plug; with strain relief housing; 2-pole; light gray

www.wago.com/893-1032

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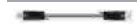
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**Item no.893-1656**

T-distribution connector; 2-pole; 1 input; 2 outputs; light gray

www.wago.com/893-1656**Item no.893-2032**

Snap-in plug; 2-pole; Cod. F; light gray

www.wago.com/893-2032**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**Item no.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**Downloads****Documentation****Bid Text**

893-1022 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
893-1022 doc - Datei	2015 Jan 8	doc 23.6 kB	Download

CAD files**CAE data**

WSCAD Universe 893-1022	URL	Download
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Environmental Product Compliance**Compliance Search**

Environmental Product Compliance 893-1022 Socket; with strain relief housing; 2-pole; Cod. F; light gray	URL	Download
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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.

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

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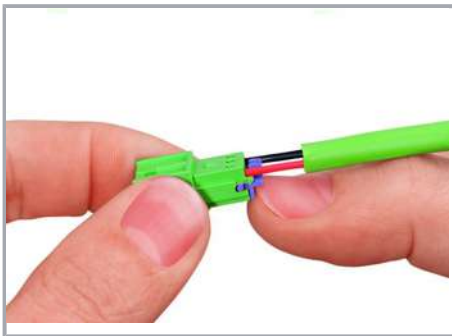


Press strain relief firmly on the cable.



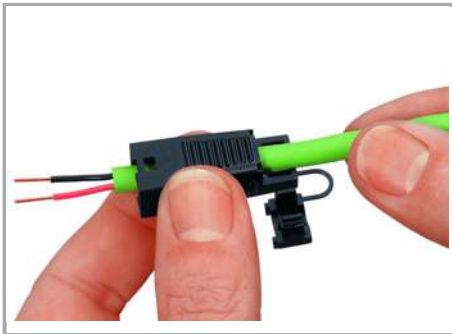
Pre-assembled KNX connector

Conductor removal



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

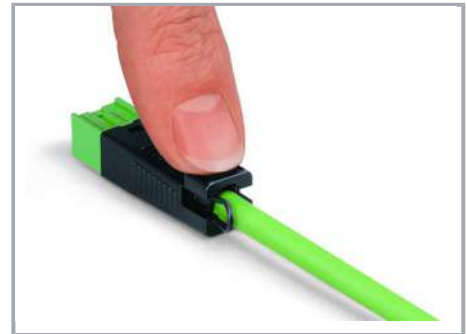
Installation



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.

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



Pre-assembled KNX connector

Product family

WINSTA® KNX

[Show all products from the family](#)

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