

Item description

Male connector/plug *WINSTA*® KNX 2-pole

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® KNX male connector/plug with protection type IP20. WAGO pluggable installation connectors are used when criteria repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (Only when mated and

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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. The standardised *WINSTA*® KNX pluggable installation connectors in green are employed for signal transfer in KNX networks. Building safety must be ensured at all times, even after the electrical installation stage. The required safety requirements in connection with EU CPR are fully satisfied by this product through fire class E.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers fast, secure and, above all, error-free installation of components and cables. Now you can also lower 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
- for emergency power supply
- exact dimensions
- 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

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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?
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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)	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

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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	0.171 MJ
Weight	5.7 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	4045454267445
Customs tariff number VKOrg Germany	8536694040

Other

technology	KNX
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Counterpart

	Item no.893-1002 Socket; with strain relief housing; 2-pole; Cod. E; green	www.wago.com/893-1002
	Item no.893-122 Tap-off module; for flat cable; 2-pole; Cod. E; with cable connection on the output side; green	www.wago.com/893-122
	Item no.893-1606 T-distribution connector; 2-pole; Cod. E; 1 input; 2 outputs; green	www.wago.com/893-1606
	Item no.893-2002 Snap-in socket; without locking lever; 2-pole; Cod. E; green	www.wago.com/893-2002
	Item no.893-262 Tap-off module; for flat cable; 5 x 2.5 mm ² + 2 x 1.5 mm ² ; 2-pole; Cod. E; green	www.wago.com/893-262
	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
	Item no.894-8992/133-106 pre-assembled connecting cable; Eca; Socket/open-ended; 2-pole; Cod. E; J-Y(ST)Y...LG 2x2x0.8; 1 m; green	www.wago.com/894-8992/133-106

Downloads

Documentation

Bid Text

893-1012	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	

893-1012	2015 Jan 8	doc	Download
doc - Datei		23.6 kB	

CAD files

CAE data

WSCAD Universe 893-1012	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1012	URL	Download
Plug; with strain relief housing; 2-pole; green		

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Installation Notes



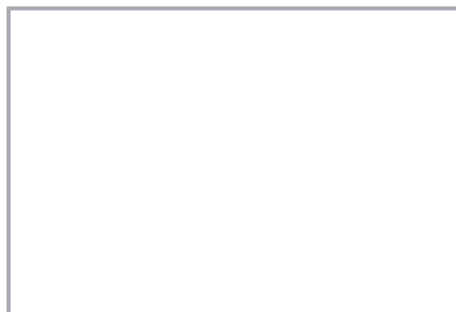
1. Strip length, outer insulation = 23 mm
2. Strip length = 9 mm



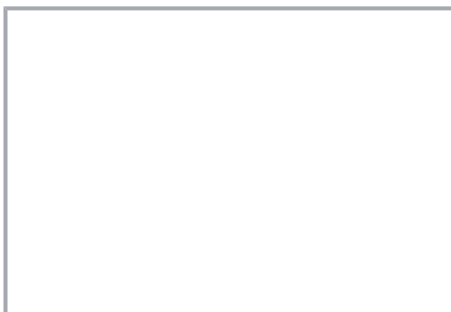
Prior to termination, pull the strain relief housing over the cable.



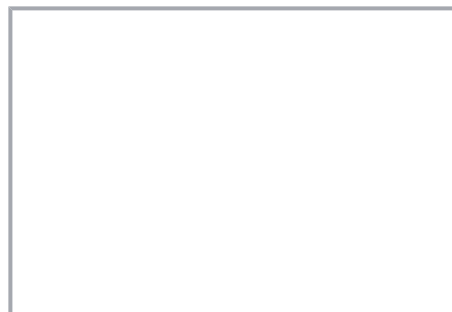
Insert stripped conductors directly into the conductor entries.



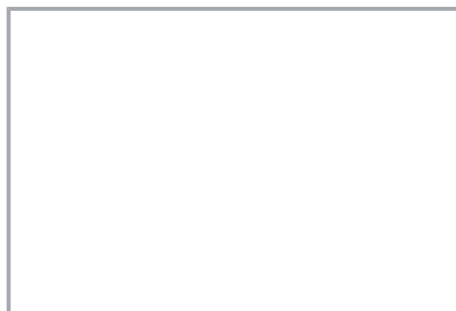
Push conductors until they hit the backstop.



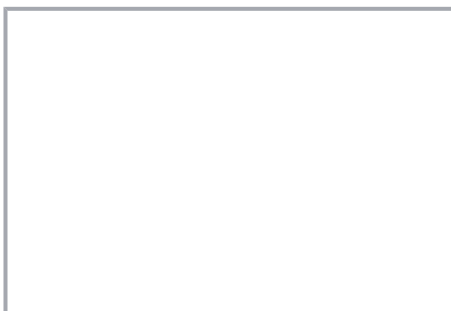
To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.



Press strain relief firmly on the cable.



Pre-assembled KNX connector

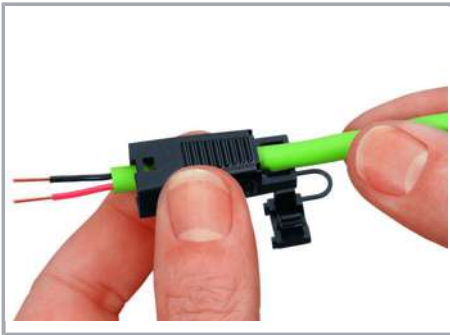
Conductor removal

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

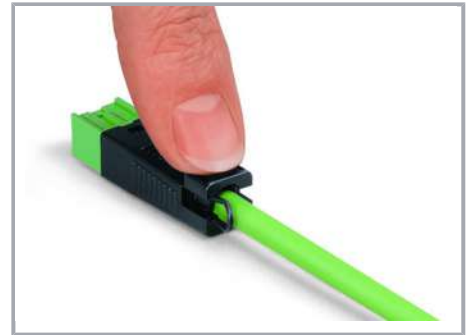
Installation



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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