

Item description

Male connector/plug *WINSTA*® KNX with protection against mismating

For power and signal transmission: The *WINSTA*® KNX male connector/plug 2-pole. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in no time flat. 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 in accordance with protection type IP20 (Only when

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

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We are always happy to take your call at +49 (571) 887-44222.



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 elements. The harmonised 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 domain. This product meets all the relevant safety requirements of fire class E; thus it can be used in areas where fire safety is relevant.

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

The *WINSTA*® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – the *WINSTA*® KNX pluggable installation connector with protection against mismatching from WAGO makes the electrical installation of electrical components visibly easier.

- saves time, since no wiring is required at the construction site
- with F coding for connections with protection against mismatching for supplying power
- exact dimensions
- fast, secure 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	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)	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	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	0.171 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	4045454267452
Customs tariff number VKOrg Germany	8536694040

Other








technology	KNX
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Counterpart

	Item no.893-1022 Socket; with strain relief housing; 2-pole; Cod. F; light gray	www.wago.com/893-1022
	Item no.893-1656 T-distribution connector; 2-pole; 1 input; 2 outputs; light gray	www.wago.com/893-1656
	Item no.893-129 Tap-off module; for flat cable; 2-pole; with cable connection on the output side; light gray	www.wago.com/893-129
	Item no.893-2022 Snap-in socket; without locking lever; 2-pole; Cod. F; light gray	www.wago.com/893-2022
	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.893-269 Tap-off module; for flat cable; 5 x 2.5 mm ² + 2 x 1.5 mm ² ; 2-pole; Cod. F; light gray	www.wago.com/893-269
	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

Downloads

Documentation

Bid Text

893-1032	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
893-1032	2015 Jan 8	doc	Download
doc - Datei		23.6 kB	

CAD files

CAE data

WSCAD Universe 893-1032	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 893-1032	URL	Download
Plug; with strain relief housing; 2-pole; light gray		

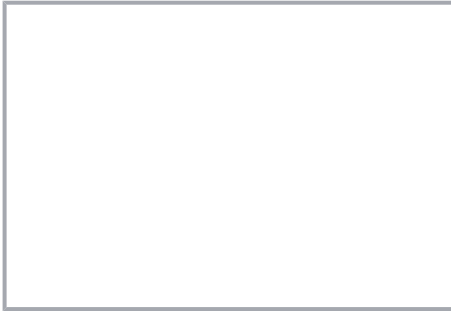
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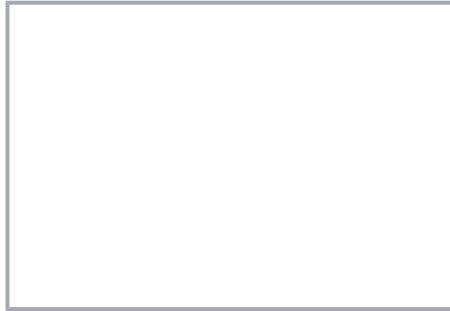


Installation Notes



1. Strip length, outer insulation = 23 mm

2. Strip length = 9 mm



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



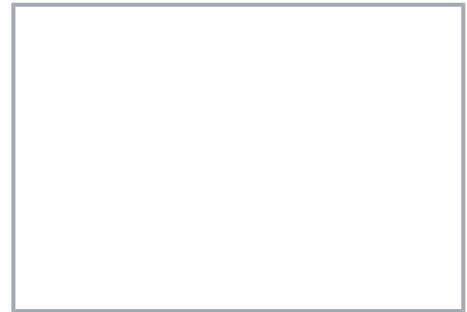
Insert stripped conductors directly into the conductor entries.



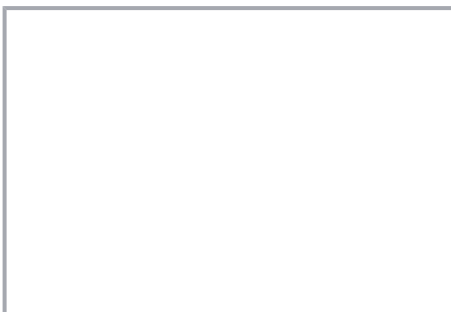
Push conductors until they hit the backstop.



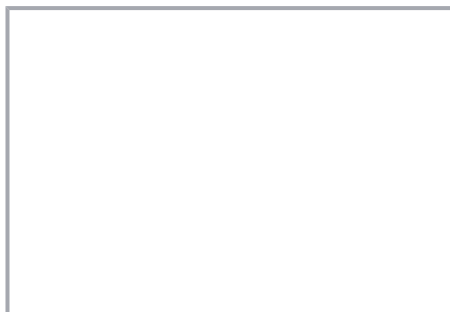
To disconnect, open clamping unit using the actuator and pull out the conductor.



Snap wired connector into the strain relief housing.



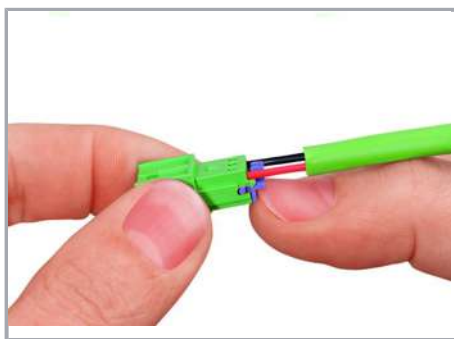
Press strain relief firmly on the cable.



Pre-assembled KNX connector

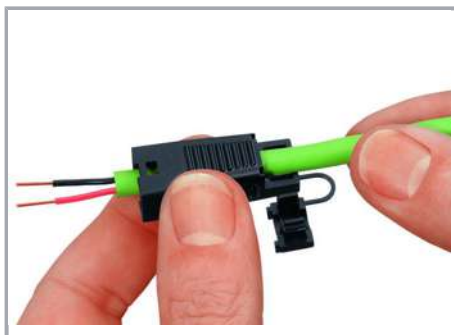
Conductor removal

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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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