



Item description

Distribution connector *WINSTA*® KNX 2-pole

The *WINSTA*® KNX distribution connector with protection against mismatching supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in numerous possible uses. 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 designed for use in open, easily accessible areas.)). This means that users' fingers will never come into contact with energised 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.

WINSTA® KNX solutions for your electrical installation – protected against mismatching and maintenance-free

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.



WINSTA® is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Now you can also reduce installation expenses without compromising safety and quality: The WINSTA® KNX pluggable installation connector with protection against mismating reduces the need for servicing and prevents unnecessary downtime.

- products perfectly tailored to your requirements guarantee safe use
- for high-power connections for supplying power
- custom-engineered solutions
- 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 potentials	2
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Connection 1

Number of poles	2
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Physical data

Width	15 mm / 0.591 inch
Height	28.9 mm / 1.138 inch
Depth	28.7 mm / 1.13 inch

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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	When locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 15 ... 20 N
Number of mating cycles	200
Type of distribution box	T-distribution connector
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)	Socket/plug
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	yes
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	light gray
Insulation material	Polyamide (PA66)
Contact material	Copper alloy; surface-treated

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Fire load	0.054 MJ
Weight	3.1 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)	25 Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4045454547684
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.893-1032

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

www.wago.com/893-1032



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



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

893-1656	2019 Feb 19	xml	Download
X81 - Datei		2.8 kB	

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CAD files

CAE data

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Compliance Search

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

Installation Notes

Product family

WINSTA® KNX

[Show all products from the family](#)

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