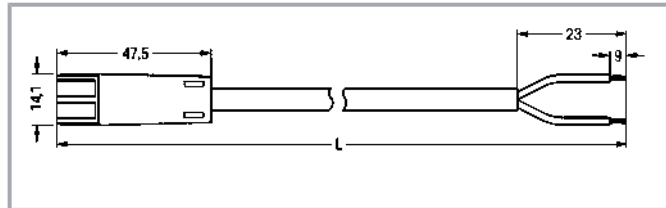# Data sheet | Item number: 894-8992/223-307

pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; 3 m; gray

www.wago.com/894-8992_223-307

Item description

Cable assembly *WINSTA*® KNX 2-pole

For power and signal transmission: The *WINSTA*® KNX cable assembly with protection against mismating. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to various requirements in seconds. 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.)). That results in the fact that users' fingers will never come into contact with electrified contact elements. The KNX standard is the ultimate benchmark in building automation. It ensures error-free, manufacturer-independent networking of state-of-the-art building systems. *WINSTA*® KNX pluggable installation connectors with F coding safeguard connections with protection against mismating in the domain of supplying power. This product meets all the fire protection requirements of fire class D; therefore it can be used in areas where fire safety is relevant. Eliminating halogens as an additive in the production of this cable assembly noticeably increases fire safety and minimises environmental contamination.

Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a plug and a free end. The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with *WINSTA*® KNX pluggable installation connectors with protection against mismating from WAGO.

- products perfectly tailored to your requirements guarantee safe use
- for high-power connections for supplying power
- flexible installation to save space
- rapid, structured electrical installation

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

Data
Notes

Note	
	Cables with a different fire class can be found in the eShop.

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
Conductor preparation	ultrasonically tip-bonded

Connection 1

Conductor diameter	0.8 mm
Strip length	9 mm / 0.35 inch
Number of poles	2
Strip length (outer insulation)	23 mm
Connection type	Plug - Free end

Physical data

Total length	3 m

Mechanical data

technology	KNX
Application	KNX
Coding	F

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

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: > 80N
Unmating force of a plug-in connection	Unlocked: approx. 15 … 20 N
Number of mating cycles	200
Connection type	Plug - free end
Type of pre-assembled cable	Connecting cable
Cable type	J-Y(ST)Y…LG 1x2x0.8
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

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 of plug-in connection	locking lever

Material data

Note (material data)	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Fire class per EN 50575	D_{ca}
Contact material	Copper alloy; surface-treated
Fire load	3.317 MJ
Connector color	light gray
Strain relief color	black
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	110.3 g

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

Copper weight of the pipe	0.01 kg/m

Environmental requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	DE
GTIN	4050821281702
Customs tariff number VKOrg Germany	85444290900

Other

technology	KNX

Downloads
Documentation

Bid Text

894-8992/223-307 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
894-8992/223-307 doc - Datei	2015 Mar 16	doc 26.1 kB	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 894-8992/223-307 pre-assembled connecting cable; Dca; Plug/open-ended; 2-pole; Cod. F; 3 m; gray	URL	Download

Installation Notes

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

Product family

WINSTA® KNX
Show all products from the family

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.

04.04.2022   Page 5/5