

Data sheet | Item number: 891-8994/016-302

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A;
H05Z1Z1-F 4G 1.5 mm²; 3 m; 1,50 mm²; white

www.wago.com/891-8994_016-302



Item description

Cable assembly **WINSTA®** MINI 4-pole

Use effective pluggable connections instead of laborious screw connections: With the **WINSTA®** MINI cable assembly A coding, WAGO pluggable installation connectors are used when specifications repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Thanks to the color coding and mechanical A coding of **WINSTA®** MINI pluggable installation connectors, you can clearly distinguish different circuits. Due to its particularly compact dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in **CAGE CLAMP®** spring pressure connection technology is very suitable in very tight spaces, i.e., for connections when very little room is available. According to the European CPR, the fire class of the cables used in construction is critical for building safety as well. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable. In the manufacturing of this cable assembly, halogens were deliberately omitted. That is an important contribution to environmental protection.

Pluggable connections instead of screw connections – cable assemblies from WAGO

A socket and a plug are available. **WINSTA®** is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It allows error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with **WINSTA®** MINI pluggable installation connectors with protection type IP20 from WAGO.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- suitable for any application
- flexible installation to save space
- quick replacement of defective units during ongoing operation

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.



Data Notes

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

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
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IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Note for the US market	Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.
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Connection data

Total number of potentials	4
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

Connection 1

Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 mm
Wire cross-section	1.5 mm ²
Connection type	Socket - Plug

Physical data

Pin spacing	4.4 mm / 0.173 inch
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Subject to changes. Please also observe the further product documentation!



Total length	3 m
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Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ∇ 2/L 1/L'
Potential Marking	N ∇ 2/L 1/L'
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Connection type	Socket - Plug
Type of pre-assembled cable	Interconnecting cable
Cable type	H05Z1Z1-F 4G1.5
Protection type	IP20; IP40 when mated

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 lever	Can be retrofitted
Locking of plug-in connection	locking lever

Material data

Note (material data)	Information on material data can be found here
Color	white
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E _{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	89.438 MJ
Connector color	white
Printing color of mating face	black

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Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	374 g
Copper weight of the pipe	0.058 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	PL
GTIN	4055143405317
Customs tariff number VKOrg Germany	85444290900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61535	NTR NL-7823
	KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-112995

Required accessories

Locking levers

Locking system

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**Item no.: 890-111**

Locking lever; for flying leads; for tool operation; black

www.wago.com/890-111**Item no.: 890-101**

Locking lever; for manual operation; black

www.wago.com/890-101**Item no.: 890-121**

Locking lever; for manual operation; white

www.wago.com/890-121**Item no.: 890-131**

Locking lever; for flying leads; for tool operation; white

www.wago.com/890-131**Optional accessories****Cover**

Other

**Item no.: 897-2003**

Protective cap; Type2; for sockets and plugs; PVC; red

www.wago.com/897-2003**Mounting**

Mounting accessories

Item no.: 890-310

Mounting carrier; 2- to 5-pole; for flying leads; black

www.wago.com/890-310**Item no.: 890-311**

Mounting carrier; 2- to 5-pole; for flying leads; white

www.wago.com/890-311**Downloads****Documentation****Bid Text**

891-8994/016-302 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8994/016-302 doc - Datei	2014 Dec 1	doc 25.1 kB	Download

CAD files**CAE data**

WSCAD Universe 891-8994/016-302	URL	Download
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Environmental Product Compliance

Compliance Search

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Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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