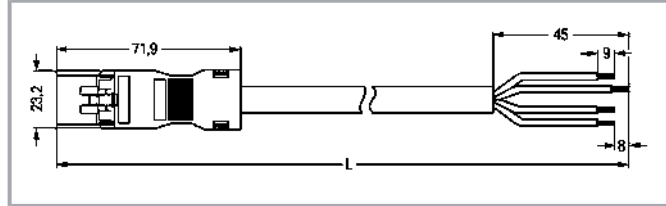


## Data sheet | Item number: 891-8994/216-202

pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A;  
H05Z1Z1-F 4G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; white



[www.wago.com/891-8994\\_216-202](http://www.wago.com/891-8994_216-202)



### Item description

#### Cable assembly *WINSTA*® MINI with strain relief

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI cable assembly 4-pole. 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 color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. Standard mains applications for almost any domain of use can be realised with *WINSTA*® MINI pluggable installation connectors with A coding. *WINSTA*® MINI satisfies the demand for miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since as a result of LED technology; due to complex systems, these offer significantly less space for the connection technology. This product meets all the relevant safety requirements of fire class E; thus it can be used in areas where fire safety is relevant. In the production of this cable assembly, we eliminated the use of halogen. This is an important contribution to environmental protection.

#### Fast, error-free assembly thanks to cable assemblies from WAGO

The cable is pre-assembled 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 therefore faster, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and errors during installation at the construction site. 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 against mismatching from WAGO.

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in a large number of general mains applications
- ready to install and use immediately

—  
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](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



- quick replacement of defective units during ongoing operation

## Data Notes

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

## Electrical data

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

## 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.

## Connection data

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

## Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 mm
Wire cross-section	1.5 mm <sup>2</sup>
Strip length (outer insulation)	45 mm

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Connection type	Plug - Free end
-----------------	-----------------

### Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	2 m

### Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\perp$ 2/L 1/L'
Potential Marking	N $\perp$ 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	Plug - free end
Type of pre-assembled cable	Connecting 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 <sub>ca</sub>

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Contact material	Copper or copper alloy; surface-treated
Fire load	59.759 MJ
Connector color	white
Printing color of mating face	black
Strain relief color	white
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Sheath material	Halogen-free
Weight	246.5 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	4055143405478
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

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## Required accessories

### Locking levers

Locking system		
<b>Item no.: 890-111</b>	Locking lever; for flying leads; for tool operation; black	<a href="http://www.wago.com/890-111">www.wago.com/890-111</a>
<b>Item no.: 890-101</b>	Locking lever; for manual operation; black	<a href="http://www.wago.com/890-101">www.wago.com/890-101</a>
<b>Item no.: 890-121</b>	Locking lever; for manual operation; white	<a href="http://www.wago.com/890-121">www.wago.com/890-121</a>
<b>Item no.: 890-131</b>	Locking lever; for flying leads; for tool operation; white	<a href="http://www.wago.com/890-131">www.wago.com/890-131</a>

## Optional accessories

### Cover

Other		
	<b>Item no.: 897-2003</b> Protective cap; Type2; for sockets and plugs; PVC; red	<a href="http://www.wago.com/897-2003">www.wago.com/897-2003</a>

### Mounting

Mounting accessories		
<b>Item no.: 890-310</b>	Mounting carrier; 2- to 5-pole; for flying leads; black	<a href="http://www.wago.com/890-310">www.wago.com/890-310</a>
<b>Item no.: 890-311</b>	Mounting carrier; 2- to 5-pole; for flying leads; white	<a href="http://www.wago.com/890-311">www.wago.com/890-311</a>

## Downloads

### Documentation

#### Bid Text

891-8994/216-202 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
891-8994/216-202 doc - Datei	2014 Dec 1	doc 25.6 kB	Download

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



## CAD files

### CAE data

WSCAD Universe 891-8994/216-202	<a href="#">URL</a>	<a href="#">Download</a>
WSCAD Universe 891-8994/216-202	<a href="#">URL</a>	<a href="#">Download</a>

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8994/216-202 pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm <sup>2</sup> ; 2 m; 1,50 mm <sup>2</sup> ; white	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

## Product family

### WINSTA® MINI

[Show all products from the family](#)

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