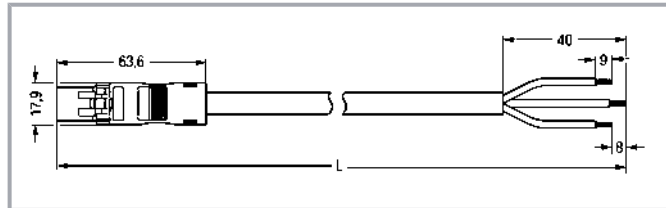


## Data sheet | Item number: 891-8993/216-202

pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A;  
H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8993\\_216-202](http://www.wago.com/891-8993_216-202)



### Item description

#### Cable assembly **WINSTA®** MINI with protection against mismating

The **WINSTA®** MINI cable assembly rated current 16 A provides the foundation for installation of solid and fine-stranded conductors. WAGO pluggable installation connectors are used when requirements repeat or are planned on a defined 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 mismating. General mains applications for almost any domain of use can be implemented with **WINSTA®** MINI pluggable installation connectors with A coding. Especially where space is tight, our smallest pluggable connection system, **WINSTA®** MINI, consistently displays its strengths. It is very compact, and, with Push-in **CAGE CLAMP®** spring pressure connection technology, it additionally saves time, since the installation is low-maintenance and can be performed without screw connections. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The required safety requirements in connection with EU CPR are met by this product through fire class E. Eliminating halogens as an additive in the manufacture of this cable assembly noticeably increases fire safety and minimises environmental contamination.

#### Fast, secure pluggable connections – cable assemblies from WAGO

A plug and a free end are available. **WINSTA®** is the pluggable connection system that is optimally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation expenses without compromising quality and safety: The **WINSTA®** MINI pluggable installation connector with marking reduces the need for servicing and prevents unnecessary downtime.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications
- flexible installation to save space

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)

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- convenient installation and commissioning

## 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)	250 V
Rated impulse voltage (III/3)	4 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	3
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Strip length	9 mm / 0.35 inch
Number of poles	3
Sheathed cable diameter	7.4 ... 9.4 mm
Wire cross-section	1.5 mm <sup>2</sup>
Strip length (outer insulation)	40 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	L $\perp$ N
Potential Marking	L $\perp$ N
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 3G1.5
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	59.668 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	201 g
Copper weight of the pipe	0.043 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	4055143397797
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

### 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>

### Cover

Other		
	<b>Item no.: 897-2001</b>	
	Protective cap; Type1; for sockets and plugs; PVC; red	<a href="http://www.wago.com/897-2001">www.wago.com/897-2001</a>

## Downloads

### Documentation

#### Bid Text

891-8993/216-202	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8993/216-202	2014 Nov 26	doc	Download
doc - Datei		26.1 kB	

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## CAD files

### CAE data

WSCAD Universe 891-8993/216-202	URL	Download
ZUKEN Portal 891-8993/216-202	URL	Download
WSCAD Universe 891-8993/216-202	URL	Download

### CAD data

2D/3D Models 891-8993/216-202	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8993/216-202 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05Z1Z1-F 3G 1.5 mm <sup>2</sup> ; 2 m; 1,50 mm <sup>2</sup> ; white	URL	Download
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## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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