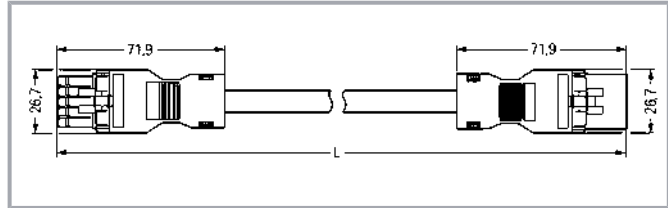


## Data sheet | Item number: 891-8995/016-202

pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A;  
H05Z1Z1-F 5G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; white

[www.wago.com/891-8995\\_016-202](http://www.wago.com/891-8995_016-202)



### Item description

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

The **WINSTA®** MINI cable assembly rated current 13 A provides the foundation for installation of fine-stranded and solid conductors. WAGO pluggable installation connectors are used when specifications repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. Thanks to the color coding and mechanical A coding of **WINSTA®** MINI pluggable installation connectors, you can clearly distinguish different circuits. **WINSTA®** MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for instance, since due to LED technology, these offer significantly less space for the connection technology. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. The cable assembly is free of halogen. This eliminates the addition of environmental pollutants during production. It also achieves a higher fire class, since halogen-free materials do not easily ignite.

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

A socket and a plug are provided. **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. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with **WINSTA®** MINI pluggable installation connectors with fire class E from WAGO.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- for any mains application
- 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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- rapid, structured electrical installation

## 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
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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	13 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	5
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Number of poles	5
Sheathed cable diameter	9.3 ... 11.6 mm
Wire cross-section	1.5 mm <sup>2</sup>
Connection type	Socket - Plug

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## 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 $\nabla$ 1 2 3
Potential Marking	N $\nabla$ 1 2 3
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 5G1.5
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>
Contact material	Copper or copper alloy; surface-treated

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Fire load	59.465 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	329 g
Copper weight of the pipe	0.072 kg/m

### Environmental requirements



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

### Commercial data

PU (SPU)	1 Stück
Packaging type	unpacked
Country of origin VKOrg Germany	PL
GTIN	4055143400084
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>		<a href="http://www.wago.com/890-111">www.wago.com/890-111</a>
Locking lever; for flying leads; for tool operation; black		
<b>Item no.: 890-101</b>		<a href="http://www.wago.com/890-101">www.wago.com/890-101</a>
Locking lever; for manual operation; black		
<b>Item no.: 890-121</b>		<a href="http://www.wago.com/890-121">www.wago.com/890-121</a>
Locking lever; for manual operation; white		
<b>Item no.: 890-131</b>		<a href="http://www.wago.com/890-131">www.wago.com/890-131</a>
Locking lever; for flying leads; for tool operation; white		

## Optional accessories

### Mounting

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

### Cover

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

## Downloads

### Documentation

#### Bid Text

891-8995/016-202	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
891-8995/016-202	2014 Dec 1	doc	Download
doc - Datei		25.1 kB	

## CAD files

### CAD data

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2D/3D Models 891-8995/016-202	URL	Download
<b>CAE data</b>		
WSCAD Universe 891-8995/016-202	URL	Download
ZUKEN Portal 891-8995/016-202	URL	Download
WSCAD Universe 891-8995/016-202	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8995/016-202	URL	Download
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm <sup>2</sup> ; 2 m; 1,50 mm <sup>2</sup> ; white		

## Installation Notes

## Product family

### WINSTA® MINI

[Show all products from the family](#)

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