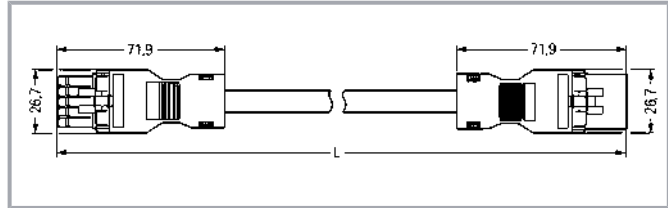


## Data sheet | Item number: 891-8995/016-102

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

[www.wago.com/891-8995\\_016-102](http://www.wago.com/891-8995_016-102)



### Item description

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

The **WINSTA®** MINI cable assembly rated current 13 A supports fast, reliable installation. Our pluggable installation connectors with spring pressure connection technology work without screw connections. They allow flexible, error-free installation in numerous possible uses. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. Thanks to the color coding and mechanical A coding of **WINSTA®** MINI pluggable installation connectors, you can clearly distinguish different circuits. Particularly if only limited space is available, our smallest pluggable connection system, **WINSTA®** MINI, conveniently displays its advantageous properties. It saves space, and, with Push-in **CAGE CLAMP®** spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and can be performed without screw connections. According to the European CPR, the fire class of the cables used in construction is essential for the safety of buildings, too. For houses with average safety requirements, cable assemblies with fire class E are suitable. Eliminating halogens as an additive in the production of this cable assembly substantially improves fire safety and reduces environmental contamination.

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

A socket and a plug are provided. The **WINSTA®** Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Now you can also cut installation costs without compromising quality and safety: The **WINSTA®** MINI pluggable installation connector with strain relief hosting eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- consistent IP40 protection
- with A coding for a great number of applications
- ready for immediate use

—  
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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- quick replacement of defective units during ongoing operation

## 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	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.
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## 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	1 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	29.465 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	174.9 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 ≤ 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	4055143400077
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

891-8995/016-102	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
891-8995/016-102	2014 Dec 1	doc	Download
doc - Datei		25.1 kB	

## CAD files

### CAD data

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2D/3D Models 891-8995/016-102	URL	Download
<b>CAE data</b>		
WSCAD Universe 891-8995/016-102	URL	Download
ZUKEN Portal 891-8995/016-102	URL	Download
WSCAD Universe 891-8995/016-102	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8995/016-102	URL	Download
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm <sup>2</sup> ; 1 m; 1,50 mm <sup>2</sup> ; white		

## Installation Notes

## Product family

### WINSTA® MINI

[Show all products from the family](#)

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