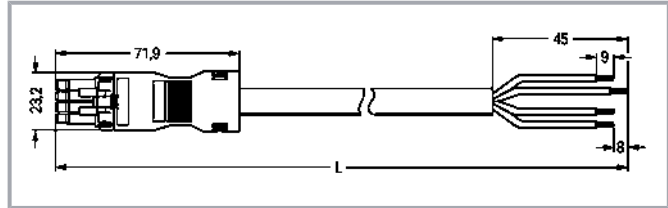


## Data sheet | Item number: 891-8994/116-601

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A;  
H05Z1Z1-F 4G 1.5 mm<sup>2</sup>; 6 m; 1,50 mm<sup>2</sup>; black

[www.wago.com/891-8994\\_116-601](http://www.wago.com/891-8994_116-601)



### Item description

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

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA*® MINI cable assembly with protection type IP40. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in a large number of applications. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid granular objects with a diameter below 1 mm in accordance with protection type IP40. The *WINSTA*® MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. If only limited space is available, our smallest pluggable connection system, *WINSTA*® MINI, consistently displays its advantageous properties. It is very compact, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the installation is low-maintenance and can be performed without screw connections. This product meets all the relevant fire protection requirements of fire class E; therefore it can be used in domains where fire safety is relevant. Eliminating halogens as an additive in the manufacture of this cable assembly substantially increases fire safety and minimises environmental contamination.

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

A socket and a free end are provided. The *WINSTA*® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and therefore more efficient, even more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Choose quality and durability – the *WINSTA*® MINI pluggable installation connector with protection type IP40 from WAGO makes the installation of electrical components substantially easier.

- effective protection against mismatching
- consistent IP40 protection
- suitable for any application
- custom-engineered solutions

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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- fast, secure installation

## 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

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	Socket - Free end
-----------------	-------------------

## Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	6 m

## Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N $\nabla$ 2/L 1/L'
Potential Marking	N $\nabla$ 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 - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 4G1.5
Protection type	IP40

## 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	black
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	179.679 MJ
Connector color	black
Printing color of mating face	white
Strain relief color	black
Sheathed cable color	black
Printing color of sheathed cable	white
Halogen-free	Yes
Sheath material	Halogen-free
Weight	717.6 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	4055143405102
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.: 897-2003</b>	
	Protective cap; Type2; for sockets and plugs; PVC; red	<a href="http://www.wago.com/897-2003">www.wago.com/897-2003</a>

## Downloads

### Documentation

#### Bid Text

891-8994/116-601	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8994/116-601	2014 Dec 1	doc	Download
doc - Datei		25.6 kB	

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## CAD files

### CAE data

WSCAD Universe 891-8994/116-601	URL	Download
WSCAD Universe 891-8994/116-601	URL	Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 891-8994/116-601	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm <sup>2</sup> ; 6 m; 1,50 mm <sup>2</sup> ; black		

## Installation Notes

### Product family

#### WINSTA® MINI

[Show all products from the family](#)

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