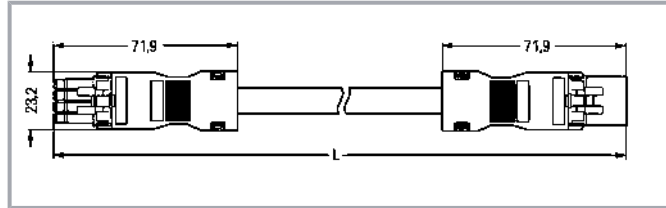


## Data sheet | Item number: 891-8994/016-101

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

[www.wago.com/891-8994\\_016-101](http://www.wago.com/891-8994_016-101)



### Item description

#### Cable assembly **WINSTA®** MINI rated current 16 A

The **WINSTA®** MINI cable assembly with protection type IP20 supports fast, reliable installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in next to no time. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The **WINSTA®** MINI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. **WINSTA®** MINI is our response to the trend toward miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, 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 building safety as well. For buildings with medium-level safety requirements, cable assemblies with fire class E are suitable. In the production of this cable assembly, halogens were deliberately omitted. This is an important contribution to climate protection.

#### Pluggable connections instead of screw connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a plug. The **WINSTA®** Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and installation errors at the construction site. Now you can also reduce installation expenses without compromising quality and safety: The **WINSTA®** MINI pluggable installation connector with strain relief hosting reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- 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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- 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	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

Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 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 $\nabla$ 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 - Plug
Type of pre-assembled cable	Interconnecting 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	black
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Fire load	29.438 MJ

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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	136.8 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	4055143404983
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

## Required accessories

### Locking levers

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## 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>
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## Downloads

## Documentation

## Bid Text

891-8994/016-101 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
891-8994/016-101 doc - Datei	2014 Dec 1	doc 24.6 kB	Download

## CAD files

## CAE data

WSCAD Universe 891-8994/016-101	URL	Download
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WSCAD Universe 891-8994/016-101	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/016-101	URL	Download
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm²; 1 m; 1,50 mm²; black		

Installation Notes

Product family

WINSTA® MINI  
[Show all products from the family](#)

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