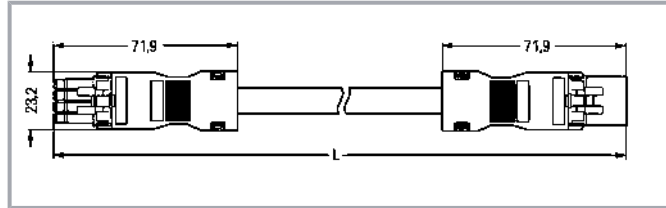


Data sheet | Item number: 891-8994/016-301

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A;
H05Z1Z1-F 4G 1.5 mm²; 3 m; 1,50 mm²; black

www.wago.com/891-8994_016-301



Item description

Cable assembly **WINSTA®** MINI A coding

The **WINSTA®** MINI cable assembly A coding provides the foundation for installation of solid and fine-stranded conductors. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow flexible, error-free installation in a large number of applications. 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. Thanks to its particularly minimal dimensions, our **WINSTA®** MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very tight spaces, i. e., for connections when very little room is available. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E. In the manufacturing of this cable assembly, we eliminated the use of halogen. That is an important contribution to environmental protection.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is provided with a socket and a plug. The **WINSTA®** Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and therefore faster, more reliable, and error-free. Using this pre-assembled system reduces time spent on assembly and installation errors at the construction site. 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 strain relief hosting from WAGO.

- effective protection against mismating
- consistent IP40 protection
- suitable for any application
- 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 | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- rapid, structured electrical 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

Number of poles	4
Sheathed cable diameter	8.4 ... 10.5 mm
Wire cross-section	1.5 mm ²
Connection type	Socket - Plug

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Physical data

Pin spacing	4.4 mm / 0.173 inch
Total length	3 m

Mechanical data

Application	General mains applications
Coding	A
Variable coding	No
Marking	N ∇ 2/L 1/L'
Potential Marking	N ∇ 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 _{ca}
Contact material	Copper or copper alloy; surface-treated
Fire load	89.438 MJ

Subject to changes. Please also observe the further product documentation!



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	372.8 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	4055143405003
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

Subject to changes. Please also observe the further product documentation!

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Locking system		
Item no.: 890-111		www.wago.com/890-111
Locking lever; for flying leads; for tool operation; black		
Item no.: 890-101		www.wago.com/890-101
Locking lever; for manual operation; black		
Item no.: 890-121		www.wago.com/890-121
Locking lever; for manual operation; white		
Item no.: 890-131		www.wago.com/890-131
Locking lever; for flying leads; for tool operation; white		

Optional accessories

Mounting

Mounting accessories		
Item no.: 890-310		www.wago.com/890-310
Mounting carrier; 2- to 5-pole; for flying leads; black		
Item no.: 890-311		www.wago.com/890-311
Mounting carrier; 2- to 5-pole; for flying leads; white		

Cover

Other		
	Item no.: 897-2003	www.wago.com/897-2003
Protective cap; Type2; for sockets and plugs; PVC; red		

Downloads

Documentation

Bid Text

891-8994/016-301	2019 Feb 19	xml	Download
X81 - Datei		3.0 kB	
891-8994/016-301	2014 Dec 1	doc	Download
doc - Datei		25.1 kB	

CAD files

CAE data

WSCAD Universe 891-8994/016-301	URL	Download
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WSCAD Universe 891-8994/016-301	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8994/016-301	URL	Download
pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05Z1Z1-F 4G 1.5 mm²; 3 m; 1,50 mm²; black		

Installation Notes

Product family

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

Subject to changes. Please also observe the further product documentation!

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