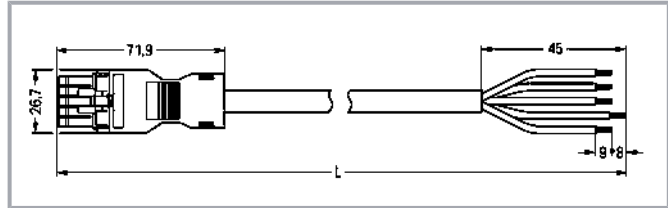


Data sheet | Item number: 891-8995/116-602

pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A;
H05Z1Z1-F 5G 1.5 mm²; 6 m; 1,50 mm²; white

www.wago.com/891-8995_116-602



Item description

Cable assembly **WINSTA®** MINI with protection type IP40

For signal and power transmission: The **WINSTA®** MINI cable assembly with protection against mismatching. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of requirements in seconds. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP40. Users' fingers and tools will never come into contact with live elements. 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 advantages. It saves space, and, thanks to Push-in CAGE CLAMP® spring pressure connection technology, it additionally saves time, since the connection is low-maintenance and requires no screw connections. 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 fully satisfied by this product through fire class E. 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 are flame-resistant.

Pluggable connections instead of screw connections – cable assemblies from WAGO

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

- protection against mismatching eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a great number of applications

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?
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- custom-engineered solutions
- 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	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

Strip length	9 mm / 0.35 inch
Number of poles	5
Sheathed cable diameter	9.3 ... 11.6 mm
Wire cross-section	1.5 mm ²
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 \perp 1 2 3
Potential Marking	N \perp 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 - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 5G1.5
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	white
Insulation material	Polyamide (PA66)
Fire class per EN 50575	E _{ca}

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Contact material	Copper or copper alloy; surface-treated
Fire load	179.684 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	935.1 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	4055143400190
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		
Item no.: 890-111		
Locking lever; for flying leads; for tool operation; black		www.wago.com/890-111
Item no.: 890-101		
Locking lever; for manual operation; black		www.wago.com/890-101
Item no.: 890-121		
Locking lever; for manual operation; white		www.wago.com/890-121
Item no.: 890-131		
Locking lever; for flying leads; for tool operation; white		www.wago.com/890-131

Optional accessories

Mounting

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

Cover

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

Downloads

Documentation

Bid Text

891-8995/116-602	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
891-8995/116-602	2014 Dec 1	doc	Download
doc - Datei		25.6 kB	

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CAD files

CAE data

WSCAD Universe 891-8995/116-602	URL	Download
WSCAD Universe 891-8995/116-602	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 891-8995/116-602	URL	Download
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. A; H05Z1Z1-F 5G 1.5 mm ² ; 6 m; 1,50 mm ² ; white		

Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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